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W. W. BARNARD & CO.

SUCCESSORS TO
HIRAM SIBLEY & CO.
GARDEN SEED AND IMPLEMENT BUSINESS
CHICAGO.

TESTED SEEDS

6 & 8 N. CLARK ST.,
SIBLEY BUILDING
CHICAGO.

GOES LITHO. CO. CHICAGO

Novelties and Special Varieties.

These we have placed in the general list under their respective class, but as an aid for ready reference to them, we give below some of the more important varieties. We call your special attention to this list as we have satisfied ourselves that these novelties and special varieties are well worthy the praise bestowed on them by the originators.

VEGETABLE SEEDS.

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BOOK PREMIUMS.

On page 88 of this catalogue will be fouud a choice selection of standard books for the Farm and Garden. With orders for Vegetable or Flower Seeds, at regular catalogue prices (without discount) amounting to $1.00, purchaser may select any book priced in this at 30c. or less:

Orders amounting to $2.00, purchaser may select books to the amount of	$0 50
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Barnard's Tested Seeds,

6 AND 8 NORTH CLARK STREET, CHICAGO, ILL.

How to Forward Money Safely.—See directions on page 1 of catalogue.

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SEEDS POSTPAID BY MAIL.—At prices given in this Catalogue we send all ***VEGETABLE SEEDS*** by the packet, ounce, quarter pound, pound, and all ***FLOWER SEEDS BY MAIL OR EXPRESS, PREPAID,*** and without any extra expense to the purchaser. If you order Vegetable Seeds by the pound, to be sent by freight, or express, at your expense, deduct 8 cents per pound from our prices. If ordered by mail or express, prepaid, add 15 cents a quart on Peas and Beans, 10 cents on Corn, to Catalogue Prices.

Half-pounds and over are sold at POUND RATES, ***pecks*** and over at BUSHEL RATES, unless otherwise specified.

Please order Flower Seeds by number. Vegetable Seeds by name. Extra order sheets furnished on application.

We believe our seeds to be equal in every respect, to any that can be procured from any source; but good crops though depending largely upon the seed, are influenced by the soil and its preparation, by fertility, by insects, by drought and flood, by the skill and experience of the cultivator. Therefore, while we exercise the greatest care to supply every article, true to name, and of the very best quality, we wish it to be distinctly understood that we sell no seed with any guarantee expressed or implied, and will not be in any way responsible for the crop.

No Charge for Boxing, Packing or Cartage. Two bushel grain bags 20c. each extra.

We Guarantee that all seeds sent out by us shall reach their destination, and agree to replace any that may be lost in transit.

In Shipping Perishable Goods, Potatoes, Onions, Plants, etc., we take every precaution to guard against changes in temperature, but for obvious reasons, we cannot hold ourselves responsible for damages sustained in transit.

Quarts.	Pints.	Lbs.	Oz.	Packts.	Catalog'e Number.	NAME OF SEEDS OR PLANTS WANTED.	PRICE. Dolls.	PRICE. Cts.	Post. on Corn Beans & Peas by pint&quart Cts.

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Please sign your name in the blank space above.

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Read our offer of Premiums on the other side.

Agriculture is the Basis of National Prosperity. * Good Seed is the First Essential to Successful Agriculture.**

DESCRIPTIVE CATALOGUE AND PRICE LIST

—OF—

Barnard's Tested Seeds.

1892.

IN READING over our catalogue for 1892, it will be found a book of plain talk, giving true and exact descriptions of the different kinds, and omitting exaggerated illustrations to secure unworthy prominence and fancy prices for varieties of medium merit.

SEED is of the utmost importance to the planter. It forms the basis of his future operations, upon it rests his hope of a bountiful and profitable harvest. To achieve success not only must he have *seeds that will grow*, and produce the best of their kind, but he must have them *at the right time* and at a *fair price*.

We credit our success of past seasons to the three following important points:

HIGH GRADE STOCK.
PROMPT AND GENEROUS SERVICE.
FAIR PRICES--FULL VALUE FOR THE MONEY.

On these we base our claim for your confidence and patronage. We shall greatly value your kind recommendation of our seeds to your friends, and shall be pleased to forward our catalogues to any address we may be favored with.

We remember gratefully our friends for the many favors of the past season and trust we may merit a continuance of their confidence during coming years. We are at your service.

Yours, very truly,

W. W. BARNARD & CO.

HOW TO ORDER SEEDS.

ORDER SHEETS. By using enclosed order sheet, or writing your order on a separate sheet from letter, you greatly aid us in executing your orders promptly.

NAME AND ADDRESS. Please be careful to write your name plainly and remember that it is of the utmost importance for us to know the name of your TOWN, COUNTY and STATE, and also your nearest and most convenient express office and railroad station.

QUANTITIES. Suggestion as to quantities will be found under each variety. We will gladly make estimates for parties intending to plant seeds extensively.

PREPAID. We prepay all seeds in PACKETS, OUNCES, QUARTER POUNDS and POUNDS, unless otherwise noted. If ordered by express or freight, at purchaser's expense, EIGHT CENTS PER POUND may be deducted. To the prices for BEANS and PEAS, ADD 15 CENTS PER QUART, TO CORN 10 CENTS PER QUART, TO PREPAY POSTAGE.

SHIPPING. No charge for boxes or packing. All goods delivered free to the express or freight office. *Two bushel grain sacks are 20 cents extra*, which amount should be added to every order for 1-2 bushel up to two bushels.

REMITTING MONEY. Cash should accompany every order. It may be sent at our risk: 1st, by P. O. Money order; 2d, by draft on New York or Chicago, (which can be had at any bank); 3d, by Express Money order; 4th, by registered letters, (the most convenient way to send small amounts). For the expense of sending money you can select additional seeds. Postage stamps are taken as cash.

WARRANTIES. We guarantee the safe arrival of all goods. Should any shipment fail to reach you in due time, please notify us at once, and we will refill your orders free of charge.

We believe our seeds to be equal in every respect to any that can be secured. But crops, though depending largely upon the seed for value, are influenced by the soil and its preparation; by fertility, by insects, by drought and flood, by the skill and experience of the cultivator; therefore, while we exercise the greatest care to supply every article true to name and of the very best quality, we wish it to be distinctly understood that we sell no seeds with any warranty, expressed or implied, and will not be in any way responsible for the crop.

ERRORS. While we use every precaution to prevent errors, we will gladly correct any mistake that may happen, in a fair and just manner.

MARKET GARDENERS and Truckers using seed in larger quantities will be furnished with a Special Price List free for the asking.

POPULAR COLLECTIONS.

For the convenience of customers who prefer to leave the selection of varieties to us, we have put up **popular Vegetable and Flower seed collections** for the family garden. Considering the exceedingly low price we offer these at, and the fact that their popularity creates a great demand for them, we have these collections already prepared and ready for immediate mailing, therefore no changes can be made

FOR 25 CENTS, WE SEND PREPAID,

VEGETABLE SEED, Collection "A."

Containing One Packet Each.

BEANS, Early Mohawk.
BEET, Egyptian.
CUCUMBER, White Spine.
LETTUCE, Black Seeded Simpson.
ONION, Yellow Danvers.
RADISH, French Breakfast.
TOMATO, Atlantic Prize.
PEAS, First and Best.

FOR 25 CENTS WE SEND, PREPAID,

FLOWER SEED, Collection No. 1.

Containing One Packet Each.

ASTER, Pæony Perfection Mixed.
BALSAM, Double Mixed.
MIGNONETTE, Mixed.
NASTURTIUM, Dwarf Mixed.
PANSY, Mixture of all Colors.
CORN FLOWER (Bachelor's Button).
SWEET PEAS, Good Mixture.
SWEET WILLIAM.

FOR 50 CENTS WE SEND, PREPAID,

VEGETABLE SEED Collection "B."

Containing One Packet Each.

BEANS, Best of all.
BEET, Dewing's Early Blood.
CABBAGE, Early Jersey Wakefield.
CARROT, Early Forcing.
CORN, SWEET, Gold Coin.
CUCUMBER, Improved White Spine.
LETTUCE, Curled Simpson.
MELON, MUSK, Early Hackensack.
MELON, WATER, Sibley's Triumph.
ONION, White Queen.
PEPPER, Ruby King.
PEAS, American Wonder.
PARSNIP, Hollow Crown.
RADISH, Scarlet Turnip, White Tipped.
TOMATO, Improved Acme.
TURNIP, White Flat Dutch.

FOR 50 CENTS WE SEND, PREPAID,

FLOWER SEED, Collection No. 2.

Containing One Packet Each

ASTER, Chrysanthemum-Flowered.
SWEET ALYSSUM, Mixed.
BALSAM, Best Double.
CANDYTUFT, Mixed.
GAILLARDIA, Single Mixed.
MARIGOLD, French.
MIGNONETTE, Giant.
NASTURTIUM, Tall Mixed.
PANSY, Bedding Sorts, Mixed.
SWEET PEAS, Fine Mixed.
PETUNIA, Mixed.
POPPY, Finest Colors, Double
PORTULACCA
SNAPDRAGON.
SWEET WILLIAM.
ZINNIA, Splendid Mixed.

FOR $1.00 WE SEND, PREPAID,

VEGETABLE SEED Collection "C."

Containing One Packet Each.

BEANS, Black-Eyed Wax.
" Horticultural Pole.
BEET, Edmund's Blood Turnip.
" Early Flat Bassano.
CABBAGE, Jersey Wakefield
" Henderson's Early Summer.
CARROT, Danvers' Half Long.
CORN, Sweet Early Cory.
" " New Gold Coin.
CUCUMBER, Early Russian.
" Boston Pickling.
CELERY, Hartwell's Perfection.
CELERIAC, Apple Shaped.
CAULIFLOWER, Early London.
EGG PLANT, New York Purple.
LETTUCE, Green Fringed.
" Hanson.
LEEK, Large American Flag.
ONION, Yellow Globe Danvers.
" Mammoth Pompeii.
PEAS, Laxton's Alpha.
" Horsford's Market Garden.
PEPPER, Mountain Sweet.
MUSK MELON, Osage.
WATER MELON, Hungarian Honey.
PARSNIP, Hollow Crown.
PARSLEY, Double Moss Curled.
PUMPKIN, Sweet Potato.
RADISH, Scarlet Globe.
" White Strassburg.
SQUASH, Sibley
TOMATO, Mikado.
" Essex Hybrid.
TURNIP, Purple Top Milan.
" Pomeranian White Globe

FOR $1.00 WE SEND, PREPAID,

FLOWER SEED, Collection No. 3.

Containing One Packet Each.

ASTER, Dwarf Bouquet.
" Truffaut's Perfection.
" Chrysanthemum Flowered.
SWEET ALYSSUM.
ACROLINIUM (Everlasting).
BALSAM, Double Finest Shades.
BALSAM APPLE (Momordica).
CANTERBURY BELLS.
COCKSCOMB, Dwarf Sorts.
CANDYTUFT, Best Mixed.
CYPRESS VINE.
CANNA, French.
FOX GLOVE, Finest Mixed.
GOURDS, Ornamental.
LARKSPUR, Perennial Sorts.
MARIGOLD, Mixed.
MIGNONETTE, Giant Mixed.
MORNING GLORY, Mixed.
NASTURTIUM, Dwarf Mixed.
" Tall "
PANSY, Finest Bedding Sorts.
PETUNIA, Good Mixture.
PHLOX, Splendid Colors.
PINK, Chinese Mixed.
POPPY, Finest Double.
PORTULACA, Mixed.
RICINUS (Castor Oil Bean)
SCARLET RUNNER BEAN.
STOCK, Ten Week, German
SUNFLOWER, Best Double
SWEET PEAS, Splendid Mixture.
SWEET SULTAN
SWEET WILLIAM.
VERBENA, All Colors, Mixed.
ZINNIA, Best Double

WE OFFER the following inducement to those who may purchase Seeds by the packet in quantity. These low rates apply to Seeds in PACKETS ONLY, to be sent prepaid.

For $1.00—Select Packets to the value of *$1.25.*	*For $3.00*—Select Packets to the value of *$3.75.*
" *2.00*— " " " " *2.50.*	" *4.00*— " " " " *5.25.*

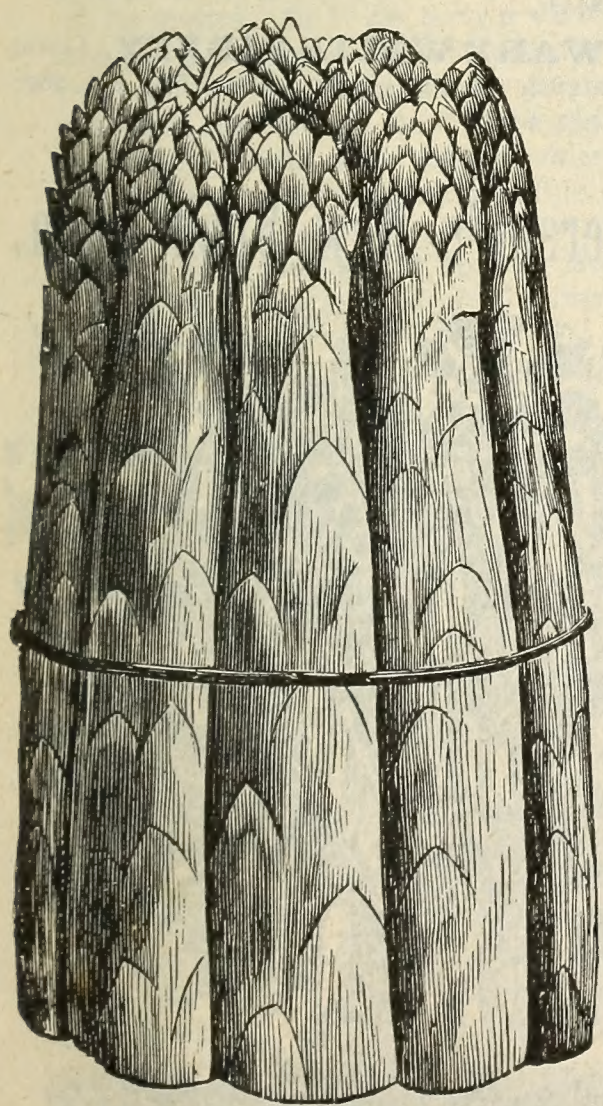
ARTICHOKE.

Artischoke, Ger. Artichaut, Fr.

Sow in April or May in drills 12 inches apart, thinning to 4 inches and transplant when one year old. The edible portion is the undeveloped flower heads, which should be used before they begin to open.

GIANT GREEN GLOBE. Best for general culture. Per pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.

JERUSALEM. [Not produced from seed.] In no way resembles the above, except that its tubers when cooked have the same taste and flavor The plant yields an immense crop of tubers, used mostly in feeding sheep and hogs. Cultivate same as potatoes. *Three bushels will seed an acre.* Tubers, per pk., 50c; bu., $1.50; bbl., $3.25; 3 lbs. by mail for 75c.


PALMETTO ASPARAGUS.

ASPARAGUS.

Spargel, Ger. Asperge. Fr.

1 oz. will sow 60 feet of row, and produce about 500 roots.

Asparagus seed should be sown in early spring, on rich, light soil, in drills a foot or more apart, covering the seed an inch deep. Thin to three or four inches, and keep the ground mellow and clear of weeds the first season by frequent hoeing. The next spring, transplant to a permanent bed, which should be in deep, mellow soil, made very rich by a liberal application of manure. See that the small roots of the plants are spread out well; set them in rows about 18 inches apart and a foot apart in the row; cover the crown of the plant three or four inches. The beds should be so narrow that the center can be reached from either side without treading among the plants. Do not begin to cut the young shoots until the second or third spring from transplanting, and only sparingly at first. If well cared for and top-dressed every year, asparagus beds will sometimes remain in bearing for twenty or thirty years. Salt, applied in the spring, in quantities of from two to three pounds to the square yard, is beneficial.

PALMETTO. This new and popular variety excels the old and standard sorts in three important points, *earliness, productiveness, and uniformity of growth.* An average bunch of 15 shoots will measure 13 to 14 inches in circumference. Its qualities recommend it to Market Gardeners, its earliness and fine appearance commanding for it the highest prices. Pkt. 5c; oz. 15c; ¼ lb 40c; lb $1.25.

CONOVER'S COLOSSAL. The standard variety for market or home use. Pkt. 5c; oz., 10c; ¼ lb., 20c; lb., 50c. (5 lbs., not prepaid, $1.50.)

ASPARAGUS ROOTS.

One to two years' time may be gained by using roots. Set out in spring or fall.

CONOVER'S COLOSSAL. { Two-year-old roots per 100, 75c; per 1,000, $6.00.
One-year-old roots per 100, 50c; per 1,000, $4.00.

PALMETTO. Two-year old roots per 100, $1.50; per 1,000, $10.00.

If to be sent by mail add 30c. per 100 to above prices.

BEANS.

Bohnen, Ger. Faijorenano, Sp. Haricot, Fr.

1 Quart to 100 feet of drill or to 200 hills; 2 bushels per acre in drills.

(Add 15c. per quart if to be sent prepaid.)

Warm, light, slightly fertilized soil, in a sunny situation should be used. As soon as all danger of frost is past, plant in drills 18 to 30 inches apart, 2 inches in depth, and at a distance of 3 to 6 inches in the row; the distance between both drills and plantings varying according to the habits of the varieties used. If hills be preferred, space them two feet apart one way, and three feet the other. Never work among the vines when wet, as it induces rust.

Dwarf Bush or Snap Beans.—(GREEN PODDED SORTS.)

IMPROVED EXTRA EARLY REFUGEE. This valuable new strain is a decided improvement on the ordinary Refugee, while maturing from ten days to two weeks earlier than the old Refugee, it has lost none of the good qualities of that well known and excellent sort. The vines are equally as vigorous, hardy and productive, the pods are of the same size and shape and fully equal in quality. Pkt., 10c; qt., 30c; pk., $1.25; bu., $5.00.

IMPROVED RED VALENTINE.

IMPROVED RED VALENTINE. One of the finest snap varieties. Pods long, curved, fleshy and extremely tender. Beans medium size, marbled in pink and red. Highly appreciated by market gardeners generally for its prolificacy and extreme earliness, the crop maturing fully ten days earlier than the common Valentine, and remaining longer in condition for use than any other known variety. Pkt., 5c; qt., 25c; pk., $1.25; bu., $4.50.

CHAMPION BUSH. An extremely productive, tender, entirely stringless bush bean that has come into general favor wherever introduced. The vine is vigorous and holds the long, light green pods quite clear from the ground, which prevents mildew, that common enemy of beans of a lower growth. Pkt., 10c; qt., 25c; pk., $1.25; bu., $4.50.

EARLY MOHAWK. Comes on about one week later than the First Earlies; is very productive, and one of the hardiest of the dwarfs. Pkt., 5c; qt., 20c; pk., $1.00; bu., $3.75.

EARLY LONG YELLOW SIX WEEKS. Hardy, early and prolific; an excellent variety for general crop of snap beans. Pkt., 5c; qt., 25c; pk., $1.15; bu., $4.00.

EARLY CHINA RED EYE. One of the first earlies. Excellent for snaps when young, and finest baking quality when ripe. Pkt., 5c; qt., 25c; pk., $1.15; bu., $4.00.

ROYAL DWARF WHITE KIDNEY. Good either as string or shell bean. Pkt., 5c; qt., 25c; pk., $1.15; bu., $4.00.

Henderson's New Bush Lima.

HENDERSON'S NEW BUSH LIMA. The demand for this new variety continues to increase. This year we offer it at a reduced price, choice seed grown from the originator's stock. Henderson's New Bush Lima grows without the aid of stakes or poles in compact bush form, about 18 inches high, and produces enormous crops of delicious Lima beans which can be as easily gathered as the common garden Bush sorts. *Henderson's New Bush Lima* is at least *two weeks earlier* than any of the climbing Limas. This fact alone would stamp it as the most valuable novelty of recent years, but when, in addition to this, we consider that it is a true *Bush Bean*, requiring no supports, some idea of its great value can be realized. Pkt., 10c; qt., 50c; pk., $3.75; bu., $12.00.

DWARF HORTICULTURAL. A half-early; very productive and much esteemed for mild flavor and general good quality of the dry beans. Excellent for snaps. Pkt., 5c; qt., 25c; pk., $1.25; bu., $4.50.

WHITE NAVY. Valuable chiefly as a field bean and considered by many the best baking variety. Pkt., 5c; qt., 25c; pk., $1.00; bu., $3.50.

Dwarf Bush or Snap Beans.—Continued.

BEST OF ALL. A most desirable variety either for Northern or Southern latitudes. It is early, productive, very tender, succulent and altogether a most desirable sort for market and home use. A good shipper. Pkt., 5c; qt., 25c; pk., $1.25; bu., $4.50.

REFUGEE, or 1000 TO ONE. Abundant yielder, and an exceptionally fine pickling or canning variety. Medium early; pods green. Pkt., 5c; qt., 25c; pk., $1.15; bu., $4.00.

LARGE WHITE MARROW, or MOUNTAIN. Beans white, good size; excellent string bean, fine shelled; medium early. Pkt, 5c; qt., 20c; pk., 90c; bu., $3.50.

BOSTON SMALL PEA. This new variety must soon become very popular among growers and consumers of commercial beans. It is wonderfully prolific; the yield is 60 to 80 fold, but frequently reaches 100 fold with ordinary field culture. It is very early, very hardy, produces profuse foliage, covering the ground completely and keeping it moist, which prevents this variety from suffering in a dry season as most sorts do. The bean is small, white, round and handsome. Pkt., 10c; qt., 25c; pk., $1.15; bu., $4.00.

WAX OR BUTTER BEANS.

WARDWELL'S KIDNEY WAX. Again during the past season our trial of this sort leads us to speak most highly of its merits. In it we have a variety which produces a hardy, vigorous plant of medium size and very productive, remarkably free from disease of every kind. The pods are large, smooth and showy, of a rich golden color, brittle and entirely stringless. Beans white, with more or less of two shades of reddish purple visible, and of a distinct kidney shape. Prepared for the table, it has a fine, buttery flavor, and is destined to become the leading snap bean, as well as a strongly endorsed winter shelled sort. The yield *considerably exceeds that of the common Golden Wax* —a most appreciable improvement. Pkt., 5c; qt., 30c; pk., $1.50; bu., $5.25.

FLAGEOLET WAX. Vigorous and productive. Pods yellow and of large size. Pkt., 5c; qt., 30c; pk., $1.50.

IVORY POD WAX. Pods creamy white, stringless and tender. Desirable either as a string or as a winter shelled bean. Pkt., 5c; qt., 30c; pk., $1.50.

YOSEMITE MAMMOTH WAX.

In this we have a most perfect wax bean. The mammoth pods, 10 to 14 inches in length, are nearly all *solid pulp, absolutely stringless*, cooking tender and of delicious flavor. The pods are a rich golden in color and handsome appearance. The plant is vigorous and exceedingly productive. Pkt., 10c; pt., 40c; qt., 75c.

CURRIE'S GOLDEN WAX.

This bean is most highly recommended by the introducers on account of its rust-proof qualities. All who have suffered from the destructive enemy of the bean, "the rust," will welcome most heartily this variety, which stands *proof* against its attacks. In addition to this quality, which alone is a high recommend, we have in it a bean, sweet, crisp and tender, one that excels in earliness and productiveness the common Golden Wax. Pkt., 10c; pt., 25c; qt., 45c.; pk., $3.00.

NEW DETROIT WAX.

An early, productive, hardy variety, of vigorous, upright growth, possessing the quality of remaining a long time after picking, bright, crisp and clear, which makes an excellent shipping bean. The pods are ready for use with the Golden Wax, but are more like the White Wax in shape, although much larger, and in color are a deeper yellow. Pkt., 5c; qt., 25c; pk., $1.75; bu., $6.50.

GOLDEN WAX. Vines of medium size. Pods golden colored and wax-like in texture. Beans oval, white, with more or less of two shades of reddish purple visible. One of the most delicate and finely flavored, as well as earliest, of the wax sorts. Pkt., 5c; qt., 25c; pk., $1.25; bu., $5.00.

BLACK WAX. Early. Pods short, round, nearly white. Beans black, when ripe. Valuable as a snap bean. Amply rewards the gardener for good care and cultivation—whether for market or the home table. Pkt., 5c; qt., 25c; pk., $1.25; bu., $4.75.

WHITE WAX. Tender and delicious as a snap bean. Pkt., 5c; qt., 25c; pk., $1.25; bu., $5.00.

BLACK-EYED WAX. Of recent introduction, recommended for extreme earliness. It is a cross between the Black and Golden Wax. It is a robust grower, very productive, tender and of exceptionally fine flavor. Beans are medium size—white and marked around the eye with black spots. Pkt., 5c; qt., 30c; pk., $1.75; bu., $6.50.

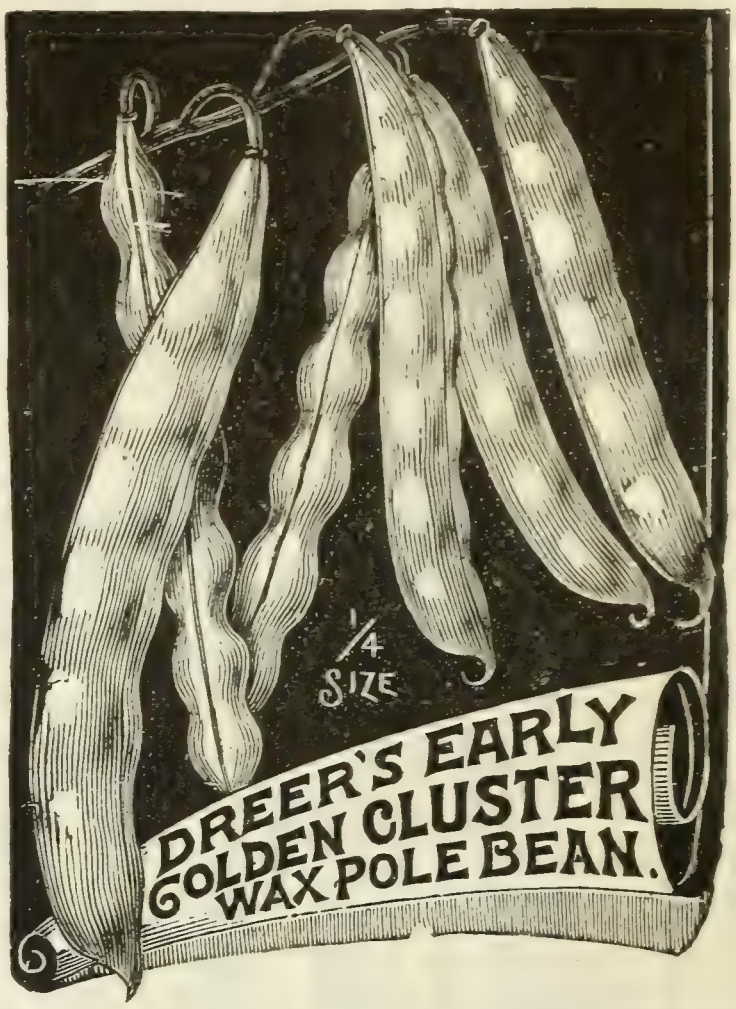
BURPEE'S SADDLE-BACK WAX.

The peculiar form of the pods of this bean gives it the name, "Saddle-Back," they are flat, broad, and indented with a crease, the greater thickness being from side to side, a peculiarity found in no other variety. **Extreme earliness,** producing edible pods as early as the Black Wax; **productiveness,** the plants in ordinary field culture usually bearing from 25 to 40 pods each; **vigorous growth, hardiness, freedom from rust, delicious quality,** are among the points of excellency which unite to make this *one of the very best wax beans yet produced, both for the market and home garden.* The pods are very full of meat and absolutely stringless. Pkt., 10c; pt., 20c; qt., 40c; pk., $2.25; bu., $8.00.

RUNNING OR POLE BEANS.

Stangen Bohnen, GR Frijole vastaga, SP Haricots a rames, FR

Should not be planted until the ground is warm, as they are more tender than the dwarf varieties. Plant six or eight beans, about one inch deep, around each pole, with the eyes down, thinning out to four plants. A neat and easy way to dispose of the vines is to stretch a stout cord from pole to pole, and train them along it within easy reach, thus rendering the pods accessible for plucking; or, if preferred pinch the vines off at the top of the poles



EARLY GOLDEN CLUSTER WAX. The vines are highly productive, bearing handsome golden pods in abundant clusters, each containing 3 to 6 pods, 6 to 8 inches in length; the latter being tender, stringless and free from turning black. Comes into bearing 10 days later than the Golden Wax and remains until frost. It is a distinct variety, combining the flavor of the Flageolet, with the crisp tenderness of the Golden Wax. Pkt., 10c; pt., 25c; qt., 40c; pk., $2 50

WHITE CREASEBACK. As a string bean this is specially desirable, both in Northern and Southern latitudes. It has for years been most favorably known at the South as the Fat Horse Bean. The pod is about 6 inches long, round, with a deep crease down the back, of a beautiful light green color, entirely stringless and of excellent quality. The crop ripens early, it is *undoubtedly the earliest green pod pole bean* Pkt., 5c; pt., 20c; qt., 35c; pk., $2.00.

DUTCH CASE KNIFE. Pods green. Beans kidney-shaped and clear white. Used as a string bean, but is specially fine shelled either in green or ripe state. Pkt., 5c; qt., 25c; pk., $1.50; bu., $5 50.

LONDON HORTICULTURAL. (*Wren's Egg, Speckled Cranberry.*) Fine as a string bean, but particularly well flavored when shelled, either green or ripe. Very hardy and productive. Preferred by many to the Lima Bean. Pkt., 5c; qt., 25c; pk., $1 50.

SCARLET RUNNER. A popular English bean. Cultivated in this country exclusively for the beauty of the foliage and blossoms. Flowers scarlet. Pkt., 5c; qt., 35; pk., $2.00.

LAZYWIFE'S POLE. Of recent introduction, but has already gained a widespread reputation as a most desirable bean The beans are white, and possess superior qualities as a green podded, snap-short variety, and are unsurpassed as shell beans for winter use. The pods are broad, thick, very fleshy and entirely stringless, of a rich buttery flavor when cooked, and grow from four to six inches in length. It is an excellent variety for planting among corn. Per pkt., 10c; pt., 25c; qt., 40c; pk., $3.00.

LIMA BEANS.

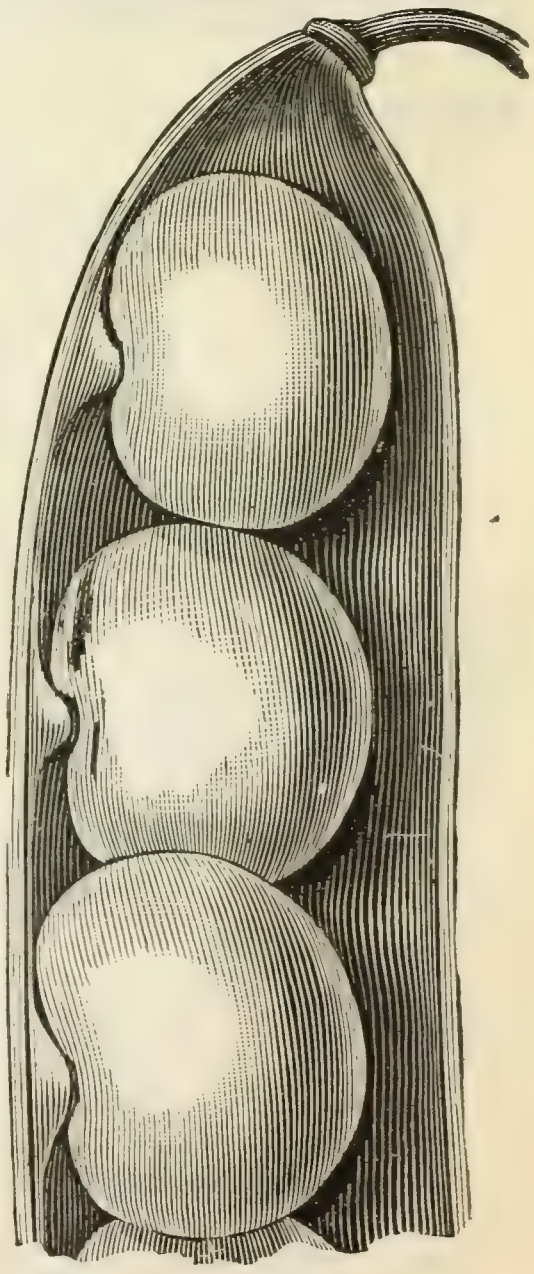
KING OF THE GARDEN LIMA. The habit of growth is quite similar to that of the common Lima, though the vines are far more productive, and mature the fruit much earlier. The pods are 6 to 8 inches in length, and contain 5 to 7 beans of unusual size, even for Limas. The latter are much larger green than when dried, and are of such beauty and symmetry, as well as excellence of quality, that the very highest prices are accorded them in all markets. Pkt., 5c; qt., 35c; pk., $1.75; bu., $7.00.

EXTRA EARLY LIMA. An exceedingly fine variety, maturing 10 days to 2 weeks earlier than the ordinary Lima The pods are large and borne in abundance, and contain 4 to 5 beans each, of superior quality Pkt., 10c; qt., 40c; pk., $2 00; bu., $7.00.

LARGE WHITE LIMA. Held in universal high esteem for the peculiar flavor and general excellence, whether green or ripe. Pkt., 10c; qt., 40c; pk., $1 75; bu., $7.00

DREER'S LIMA. Resembles the ordinary Large Lima, but earlier and more productive. The bean is thick and round. Pkt., 5c; qt., 30c; pk., $2 00, bu. $7.00.

WASHINGTON MARKET LIMA. A new and superior Lima It is early, very productive and of fine flavor. Pkt., 5c; qt., 35c; pk., $1.75; bu., $7.00.



KING OF THE GARDEN LIMA

FORD'S MAMMOTH PODDED LIMA.

Originated with a gardener near Philadelphia and a favorite among the market gardeners of that city. The **pods are of immense size, containing from five to eight mammoth beans in each;** in quality they are unsurpassed and **excel any other variety in productiveness.** Pkt., 10c.; pt., 35c.; qt., 50c.; pk., $3.00; bu., $10.00.

BEET.

Runkelrueben, Gr. Remolacha, Sp. Betterave, Fr

1 oz. to 100 ft. of drill; 5 to 6 lbs. to the acre in drills.

A rich, deep light soil is particularly necessary for a successful growth of beets. For early supply sow very early in spring, soon as ground can be worked, in drills 18 inches apart, 1 inch deep and thin to four inches in the row. For autumn and winter crops, sow later in the season; from the middle of May to the last of June In October the roots may be taken up and stored in cellar or in pits outside, like potatoes. When young the leaves make excellent greens.

When 5 pounds or upwards are required, please write us for special prices.

EGYPTIAN BLOOD TURNIP. The tops are fine and compact, of mingled red and green. Root globe-like, except for the decided flattening of both top and bottom. Skin deep red, also the flesh; the latter being zoned in two distinct shades, like the Eclipse. Tender, finely grained and sugary, it is a deservedly popular favorite. Pkt., 5c; oz., 10c; ¼ lb, 20c; lb, 50c.

ECLIPSE BEET. Of rapid growth and superior quality. Preferable for forcing, having small, smooth, perfectly round roots of an intense red color both in skin and flesh; the latter being especially sweet and tender. Its extreme earliness and general *petite* appearance, both of bulb and leaves, bespeak for it marked favor with all gardeners. Pkt.,5c; oz.,10c; ¼ lb, 20c; lb, 65c.

EDMUND'S IMPROVED EARLY TURNIP. This splendid new variety is *the most uniform* of all beets; with very small tops, the neat, short foliage being of a rich bronzy red. The beets are of a handsome round shape, very smooth and of good marketable size. Its uniformity, handsome appearance, small top and single tap root commend it most strongly to the market gardener, and *for table use scarcely any other variety can equal it in fine quality.* The skin is very deep, blood-red in color; the flesh also is very dark red. exceedingly sweet and tender Pkt., 5c; oz, 10c; ¼ lb., 20c; lb, 60c.

EGYPTIAN BLOOD TURNIP BEET.

EDMUND'S IMPROVED.

M MITCHELL'S PERFECTED EARLIEST DARK RED TURNIP. *Extra early*, and one of the *very* best, either under glass or in open ground, for private use or market purposes. It has the color and small top of the well known Egyptian variety, but is said to be of better quality. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., $1.00.

LENTZ' EXTRA EARLY. Round, smooth, very dark red, tender; little larger than the Egyptian, fully as early and better crop, aud fine keeper. A great favorite in the Philadelphia market. One of the best round beets in cultivation. Produces a crop in six weeks from time of planting. Pkt., 5c.; oz., 10c; ¼ lb., 20c.; lb., 65c.

HALF LONG BLOOD. The root of this excellent new sort is about one-half as long as the Long Dark Blood, but thicker. It grows well under ground. Flesh dark red, very sweet and tender; skin smooth and handsome. Valuable variety to follow the turnip varieties, and it is also a good keeper. Pkt., 5c.; oz., 10c.; ½ lb., 20c.; lb., 55c.

IMPROVED EARLY BLOOD TURNIP. Roots of fair size, round, red-skinned, having small tap; sweet and tender until maturity. Pkt., 5c ; oz., 10c.; ¼ lb., 15c; lb., 45c.

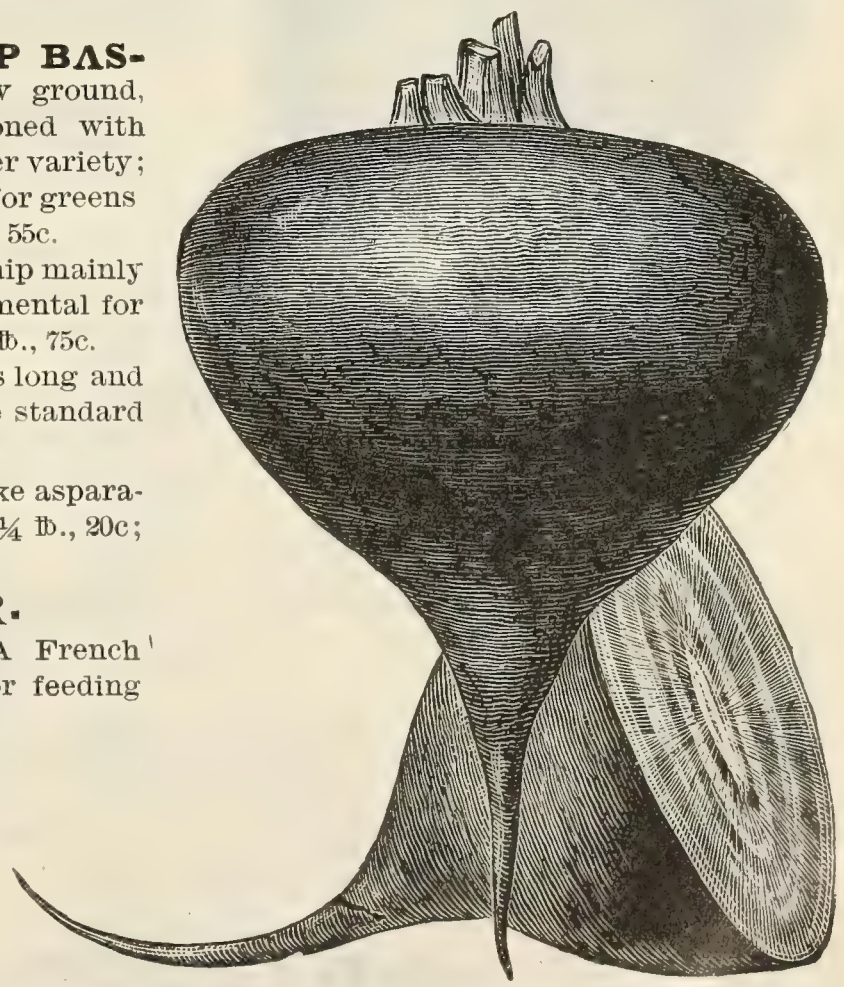
DEWING'S EARLY BLOOD TURNIP. Very early, of fine form and flavor; flesh zoned in dark and light red. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

EARLY FLAT TURNIP BASSANO. Red-skinned below ground, brown above. Flesh pink, zoned with white. A fine summer or winter variety; also the leading sort to sow for greens Pkt , 5c; oz., 10c; ¼ lb., 20c; lb., 55c.

EARLY YELLOW TURNIP. Differs from the Blood Turnip mainly in color Flesh yellow, tender and sweet. Exceedingly ornamental for table use in contrast with the red. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

IMPROVED LONG DARK BLOOD. Tops large, roots long and red-skinned Tender and sugary. An excellent keeper, and the standard winter sort. Pkt., 5c: oz., 10c; ¼ lb., 20c; lb., 60c.

SWISS CHARD. Used as greens, the stems being cooked like asparagus, while the leaves are served as spinach. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb,, 60c.



MITCHELL'S PERFECTED EARLIEST DARK RED TURNIP

BEET--FOR STOCK AND SUGAR.

VILMORM'S IMPROVED RED TOP SUGAR. A French variety, having a fine compact root, rich in sugar; superior for feeding purposes. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb,. 45c.

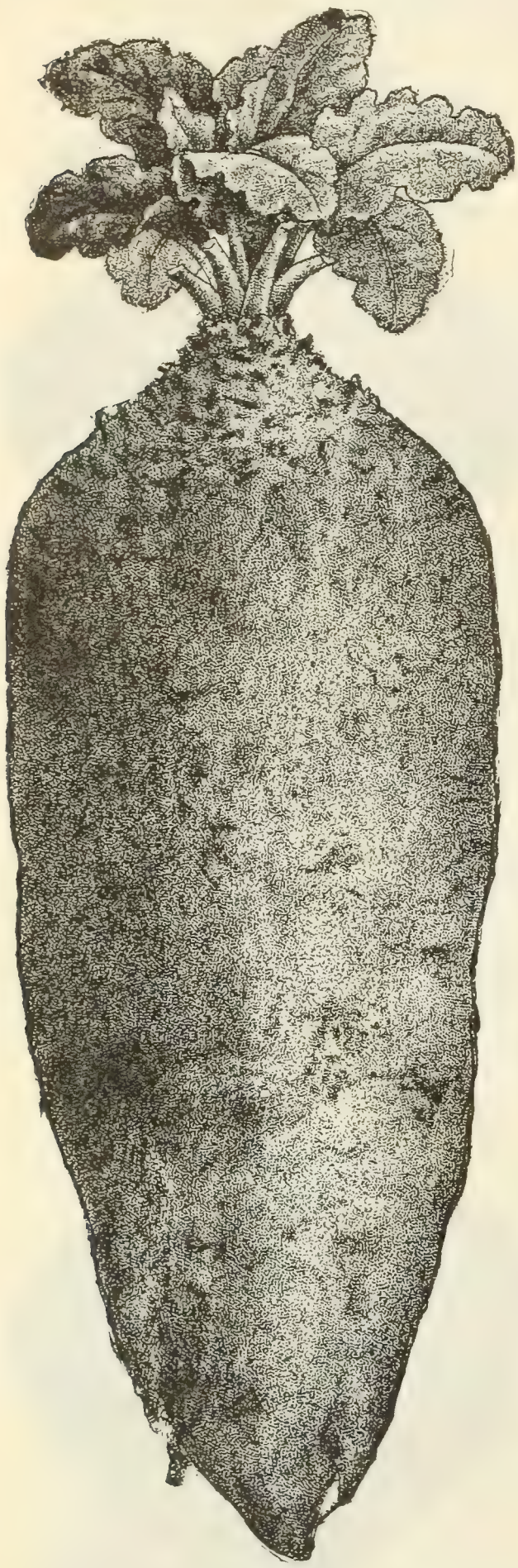
LANE'S IMPERIAL WHITE SUGAR. Tops and roots large; the latter being white, shaded with green or brown. Flesh tender, sweet and excellent either for stock or sugar ; by some highly esteemed for table use. Pkt., 5c; oz., 10c., ¼ lb., 15c; lb., 40c; 10 lbs. not prepaid, $3.00.

WHITE FRENCH SUGAR. Hardy, productive and very sweet. Excellent either for stock or for sugar. Pk., 5c; ¼ lb., 15c; lb., 35c; 10 lbs. not prepaid, $2.50.

YELLOW FRENCH SUGAR. A large-rooted, half-long variety. Flesh yellow and excellent, both for stock and sugar. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

BEET—MANGEL WURZEL.

They thrive on a variety of soils, from light loam to strong clay, if sufficiently friable for tillage, the largest crops are produced on well drained muck land or a strong loam. The product however is not as sweet as when grown on lighter soils. Essential items for success are *deep and thorough cultivation*, plow and subsoil at least a foot to eighteen inches, *liberal application of fertilizers*, and that *the ground be kept free from weeds* Sow in drills 2½ feet apart, afterwards thinning to one foot in the rows, plant when ground is warm and moist. The value of the Mangel for stock feeding is little realized; analysis indicating that 400 pounds of it are equivalent to 100 pounds of best hay, crops of from 50 to 70 tons per acre are recorded. I is a food greatly enjoyed by cattle, and the good results are noticable in the improved health and condition of animals, and in the increased yield of milk in cows.



NEW MONARCH MANGEL WURZEL.

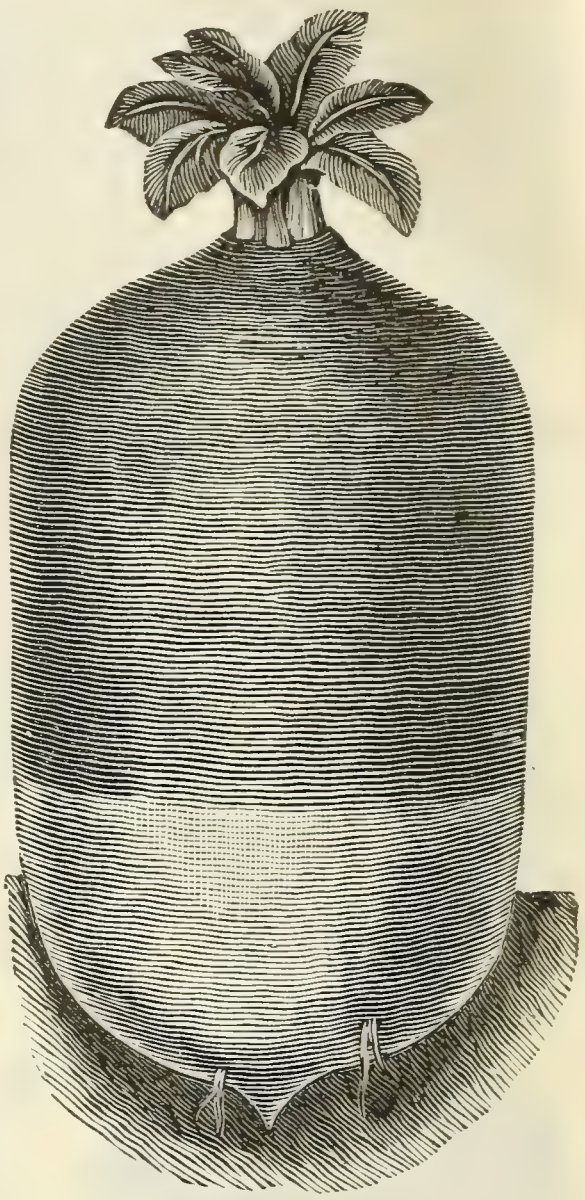
NEW MONARCH. A distinct, valuable new variety of immense proportions and fine, blood-red color. The roots are remarkably smooth and handsome, and of superior nutritive qualities. Moreover, it is enormously productive. This will prove itself a secure investment for our farming and gardening friends. Pkt., 5c.; oz., 10c: ¼ lb., 20c; lb., 40c; 10 lbs., $3.50.

MAMMOTH LONG RED. A large, well-formed variety (often 18 inches long). Pkt., 5c; ¼ lb., 15c; lb., 35c; 10 lbs., not prepaid, $2.50.

LONG RED. Excellent and desirable in every respect. Pkt., 5c; ¼ lb., 15c; lb., 30c.

LONG YELLOW. Differs from the Long Red in color only, and is very desirable. Pkt., 5c; ¼ lb., 15c; lb., 35c.

GOLDEN TANKARD. Root large, nearly cylindrical in the center and tapering abruptly both top and bottom. Flesh zoned in golden yellow and white. An extremely desirable and comparitively new variety that is rapidly superseding all others. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.



GOLDEN TANKARD.

PRIZE CHAMPION GLOBE. A large globular orange colored variety of the Mangel that is even a better keeper than the Long Red. It produces fine crops upon shallow soil, which, added to its remarkably fine feeding qualities, makes it the most desirable globe variety we have tested. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

YELLOW GLOBE. Very productive and a good keeper; preferred to the long varieties on shallow soil. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 35c.

BORECOLE or KALE.

Winterkohl, Ger. Breton, Sp. Chou vert, Fr.

1 oz. to 2,000 plants.

A member of the Cabbage Family. Seeds may be sown in a moderate rich soil, in an exposed situation, in April or May. In transplanting treat the plants like young cabbages. The central leaves are used as spinach, and are much improved by frost.

DWARF GERMAN GREENS OR SPROUTS. Hardy at the North. Excellent for garnishing and desirable for greens. Pkt., 5c; oz., 10c: ¼ lb., 30c;

GREEN CURLED SCOTCH. About two feet high, and bears green curled leaves. Pkt., 5c; oz., 10c; ¼ lb., 30c.

BROCCOLI.

Spargelkohl, Gr. Broculi, Sp. Chou Brocoli, Fr.

1 oz. to 2,000 plants.

Taller and more hardy than Cauliflower, but otherwise very similar to that delicious vegetable. Culture and use are identical with that of Cauliflower.

EARLY PURPLE CAPE. Heads large, compact, of a violet or purple color, and of excellent quality. Pkt., 10c: oz., 35c; ¼ lb., $1.00.

WHITE CAPE. Most certain to head. Differs from the preceding only in color, having a creamy white tint. Pkt., 10c; oz., 35c; ¼ lb., $1.25

CABBAGE. Heads large, firm and white. Pkt., 5c; oz., 25c; ¼ lb., 60c.

BRUSSELS SPROUTS.

Rosenkohl, Ger. Breton de Bruselas, Sp. Chou Bruxelles, Fr.

These plants grow from two to three feet high, and produce upon the sides of the stems numerous small heads resembling small cabbages. Culture and use identical with that of winter cabbage.

FINEST IMPORTED. Pkt., 5c; oz., 15c; ¼ lb., 45c.

BARNARD'S · TESTED · CABBAGE · SEED.

Kopfkohl, Ger. Col repollo, Sp. Chou Pomme Fr

1 oz. will produce 1,500 plants; ½ lb. to transplant for an acre

There is no vegetable which more plainly shows the difference in character and quality of seeds than the cabbage and only the choicest seeds obtainable are worthy to be used.

Our Cabbage Seed, grown under the care of practical, painstaking and reliable men: in localities, where experience and thorough tests have proved the climate and soil to be the best adapted to their production in highest perfection; from fully developed, perfect heads, carefully cured and stored until time of planting; thoroughly tested as to vitality; our seed can but give satisfaction, and we unhesitatingly recommend it for use of market or private gardener

This forms one of the main crops of every garden, and depends for entire success, not only upon the character and quality of the seed used, but equally as much upon a judicious selection of soil, supplemented by generous, intelligent cultivation and care throughout. A rich, deep loamy soil is infinitely preferable. A mixture of ashes and salt may be advantageously applied about the plants from time to time when cultivating or may be thoroughly mixed in the hill at time of transplanting; this not only promoting growth, but forming an excellent protection against the attacks of the maggot

In latitudes, where the winters are mild, for early spring use the seed may be sown late in the fall, one month after seeding transplant into cold frames for wintering. They will be ready for setting out as soon as the ground can be worked in the spring. For early summer use sow in hot-bed in February or March; before transplanting to the open ground they should be hardened off by exposing them gradually to the night air. For winter use sow in opened ground in May or June—taking care in either case not to let the plants stand too closely, as this makes them "spindling." When five or six inches high, transplant in rows two feet apart one way, and 12 to 18 inches the other, according to variety, burying to the first leaf whatever the stem length. Hoe every week, drawing the earth up about the plants until they begin to head, then give thorough and final cultivation and leave to mature. To preserve for winter use, pull when dry as possible and invert the heads to drain for a few hours before burying.

EARLY WINNINGSTADT.

New Extra Early Express.

emarkable for its *extreme earliness*, maturing in from 80 to 85 days after sowing of seeds. Produces a small, solid, compact head of conical form of a yellowish green color. It has few outer leaves, therefore may be planted very close and yields a large crop. Especially desirable for forcing or for early market sort. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.50

EARLY ETAMPES. *Next to the Extra Early Express in earliness.* The heads are medium sized, conical, dark green, very solid and firm and seldom fail to head. Not so pointed as the Jersey Wakefield, but in every way excellent and desirable. Pkt., 5c; oz., 20c; ½lb., 60c; lb., $2.00.

EARLY WINNINGSTADT. An intermediate variety. A sure header and a good shipper, proving excellent for general summer or winter use. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00

EARLY YORK. Heads below average size, round-ovoid, deep green in color, compact, tender and well flavored. Its earliness, unfailing productiveness and good shipping qualities render it a great favorite. Pkt., 5c; oz., 15c; ¼lb., 30c; lb., $1.00.

EARLY WYMAN. Very early. Resembles the Wakefield but is much larger. Pkt., 5c; oz., 20c; ¼lb., 50c; lb., $1.50.

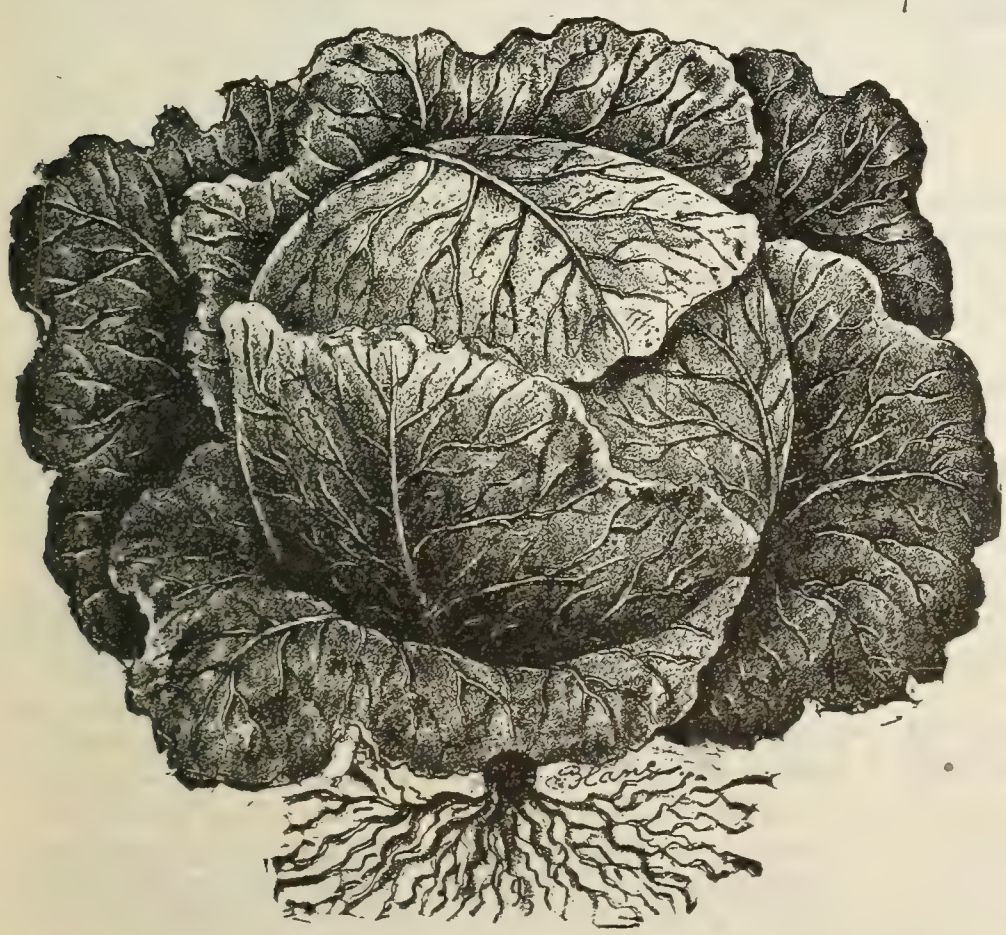
Selected Early Jersey Wakefield.

A standard early variety of acknowledged excellence. Heads of medium size, conical and compact. Its uncommonly fine heading properties together with its fitness for wintering in cold frames, have secured and retained for it the high esteem of gardeners generally. Ours is a superior strain and one that receives the unqualified endorsement of all who have used it. Pkt., 10c; oz., 30c; ¼lb., 80c; lb., $3.00.

FOTTLER'S EARLY DRUMHEAD OR BRUNSWICK SHORT STEM. A second early, bearing large, flat, very solid heads. A sure header and a good shipper. *Our strain of this most excellent variety is unsurpassed.* Pkt., 5c; oz., 20c; ¼lb., 75c; lb., $2.50.

HENDERSON'S EARLY SUMMER. Heads large, flat, compact; admirable keepers. About ten days later than the Wakefield, and about double its size. We unhesitatingly pronounce it one of the finest of the large heading early sorts: Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.50.

EARLY DWARF FLAT DUTCH. A second early, and well known standard sort, having medium sized, rounded, solid heads. Pkt., 5c; oz., 20c; ¼lb., 60c, lb., $2.00.



EARLY DWARF FLAT DUTCH.

For Prices on Cabbage Plants see Vegetable Plants.

Cabbage. —Continued.

We have called special attention in the past to this valuable cabbage, but the favor with which it has been received and the real merit which it possesses leads us to give it still more honorable mention this year. There are many valuable strains of cabbage, but we have yet to find one more thoroughly adapted for general culture, or one that combines more good qualities than our Chicago Market Garden Cabbage; a trial of this will prove satisfactory. If planted early, it develops fine, large, edible heads, about one week later than the Wakefield; while a late sowing insures, in due time, a crop of the finest winter cabbages possible to be conceived of. For "wintering over" sowings should be made about two weeks later than the early sorts, when handsome, sound, solid heads, free from early cracking will be the result. We recommend this for size and solidity of head, as well as for its remarkable keeping qualities. Pkt., 10c; oz., 50c; ¼ ℔., $1.50; ℔., $5.00.

SUCCESSION. Of recent introduction, is about one week later than the early summer but is double the size, in growth remarkably uniforn. Its earliness and sure heading qualities place it among the most valuable sorts either for private or market purposes. Pkt., 10c; oz., 40c; ¼ ℔., $1 25; ℔., $4.00.

LUXEMBURG. Well known by Chicago market gardeners for its excellent keeping qualities. Heads of good size, remarkably hard and heavy. It has proved a profitable variety with growers for market and shipping. Pkt. 10c; oz., 50c; ¼ ℔., $1.50; ℔ , $5.00.

SUREHEAD. Large, round, fine heads. An unexcelled variety for main crop, remarkable for its certainty to head. Pkt., 10c; oz., 30c; ¼ ℔., 85c; ℔., $3.00.

BRIDGPORT DRUMHEAD. This excellent and exceedingly popular sort about Chicago is noted for its solidity of head, large size, and the fact that it is not inclined to burst or rot. Pkt., 10c; oz., 50c; ¼ ℔., $1.50; ℔., $5 00.

LOUISVILLE DRUMHEAD. Highly recommended by all who have tried it Sure header, very large and solid. Will stand without bursting almost the entire season. It is a fine variety for shipping Pkt., 10c; oz., 25c; ¼ ℔., 75c; ℔ , $2.50.

ALL SEASONS. Fully as early as the early summer varieties and produce solid compact heads of large size. Very popular wherever tried; being equally good for a late cabbage Pkt., 10; oz. 25c; ¼ ℔., 75c; ℔., $2.50.

SELECTED LATE FLAT DUTCH. Heads large round, flat, solid, opening up white and crisp; very tender, and of excellent flavor. Largest of the late varieties, remarkably hardy, a sure header, and for fall and winter, home or market use, has no superior, as it retains its freshness and flavor until late in the spring. This is a highly improved strain of the Late Flat Dutch, and is of superior quality—both as regards purity and vitality. Pkt., 5c; oz., 20c; ¼ ℔., 60c; ℔., $2.00.

PREMIUM LARGE LATE DRUMHEAD. Head enormous. Very hardy and desirable fall and winter variety, also a good shipper. Pkt., 5c; oz., 20c; ¼ ℔., 60c; ℔., $2.00.

GERMAN FILDERKRAUT. Much esteemed for general family use, and for making kraut. Pkt., 5c; oz., 15c; ¼ ℔., 50c.; ℔., $1.50.

DANISH BALLHEAD WINTER. This variety produces a head of good marketable size nearly round, of choice edible and superior keeping qualities. From our maket garden customers, who have tried it, we have high testimonials of its merits as a desirable variety for late winter cabbage. It is from Denmark, where for over 50 years it has been carefully selected and perfected as the choicest strain produced in that flourishing home of the cabbage family. It is worthy of trial by any one desiring a superior winter cabbage. Pkt., 10c; oz., 30c; ¼ ℔., 80c; ℔ , $3.00.

Cabbage.—Continued.

STONE MASON MARBLEHEAD. Exceedingly hardy. A sure header and a profitable variety for market purposes. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., $2.50.

MARBLEHEAD MAMMOTH DRUMHEAD. The largest cabbage on record, requiring to be planted four feet apart each way. Of fine quality. Pkt., 5c; oz., 25c; ¼ lb., 60c; lb., $2.00.

SAVOY VARIETIES.

Highly recommended for their superior table qualities.

EARLY DWARF ULM SAVOY. Heads medium size, round and solid. Leaves deep green and finely wrinkled. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25.

IMPROVED AMERICAN DRUMHEAD SAVOY. The leading Savoy for general home and market use. Pkt., 5c; oz., 15c; ¼ lb., 75c; lb., $2.50

GREEN GLOBE SAVOY. Heads loose, but very tender and finely flavored A hardy second early variety, much improved by frost. Pkt., 5c; oz., 20c; ¼ lb., 40c; lb., $1 50.

RED LEAVED VARIETIES.

MAMMOTH RED ROCK.

This is the finest of all the red varieties; the heads are as large as the Early Summer, and as dark and solid as any of the smaller varieties. Heads of this have been produced which weigh fifteen pounds. This is by far the best red cabbage in existence. *Many successful market gardeners choose this for their entire crop of red cabbage, pronouncing it the best of all.* Pkt., 10c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

EARLIEST BLOOD RED ERFURT, Early valuable pickling variety. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

RED DUTCH. Heads large, round and solid; excellent for salad or pickling A sure header and a good shipper Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.35.

RED DRUMHEAD. The standard German red cabbage. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

CAULIFLOWER.

Blumen Kohl, GER Coliflor, SP. Choufleur, FR

1 oz. for 1,000 plants

This most delicate and delightful vegetable, like the cabbage, requires an exceedingly rich soil cultivated deeply, and fertilized thoroughly with well rotted compost.

For spring and summer crops, fall sowings may be wintered over in cold frames, or seed of early varieties may be sown in hot-beds in February (as for early cabbages), transplanting in either case to open ground in April or May, according to climate and season, cultivating thoroughly thereafter as for cabbages. For late autumn crops, sow varieties about the middle of April, transplanting and treating thereafter as winter cabbages.

Neither the early nor the late varieties should at any time be allowed to suffer for water. When the heads begin to form thoroughly soak with water two or three times a week, this being far better than to give a little water each day. Fasten the leaves loosely over the forming heads to aid in blanching, and cut for use before the solid head begins to separate to run to seed. *The seed we offer is from the most reliable European growers, none better is obtainable.*

SELECTED EARLIEST DWARF ERFURT

SELECTED EARLIEST DWARF ERFURT. A variety deservedly held in the very highest esteem by its German originators and admirers. It is without any exception whatever, the very earliest Cauliflower introduced up to the present day, while rarely a plant fails to produce a firm, close, symmetrical head of snowy whiteness, incomparable tenderness, and most delicate and delightful flavor. The outside leaves are quite small, thus admitting of close planting, *i. e.*, about 20 inches apart. *Our gardener friends call it the best strain out.* Pkt., 50c; ½oz., $3.00; oz., $5.50

EARLY ERFURT. A leading standard variety of excellent quality Pkt., 10c; oz., $1.25; ¼ lb., $3.00

HENDERSON'S EARLY SNOWBALL. One of the earliest and surest heading varieties in cultivation; a remarkably popular variety. Our stocks are the best obtainable. Pkt., 15c; ¼oz., $1 00; oz., $2.50.

EARLY LONDON. A hardy standard variety for early crop. Pkt., 5c; oz., 35c; ¼ lb., $1.00.

EXTRA EARLY PARIS. Head of good size, white and compact. Early and desirable. Pkt., 10c; oz., 60c; ¼ lb., $2.00.

ALGIERS. Large late variety of fine quality. Very popular with market gardeners of all sections. Pkt., 10c; oz., 60c; ¼ lb., $2.00.

LE NORMAND SHORT STEM. Head solid and creamy white. A long standing variety of great merit. Pkt., 10c; oz., 60c; ¼ lb., $2.00.

VEITCH'S AUTUMN GIANT. A late variety, vigorous habit. Large, handsome white heads, well protected by foliage. Pkt., 10c; oz., 60c; ¼ lb., $2.00.

DANDELION.

Loewenzahn, GER. Amarong, SP Pissenlit, FR.

The dandelion, so well known as "greens," is found highly profitable by gardeners. Sow in open ground, in May or June, in drills 1 foot apart; thin to 3-inches, and cultivate during the season. The following spring the plants are ready for use.

IMPROVED BROAD-LEAVED. The best variety for general use. Pkt., 10c; oz., 40c.

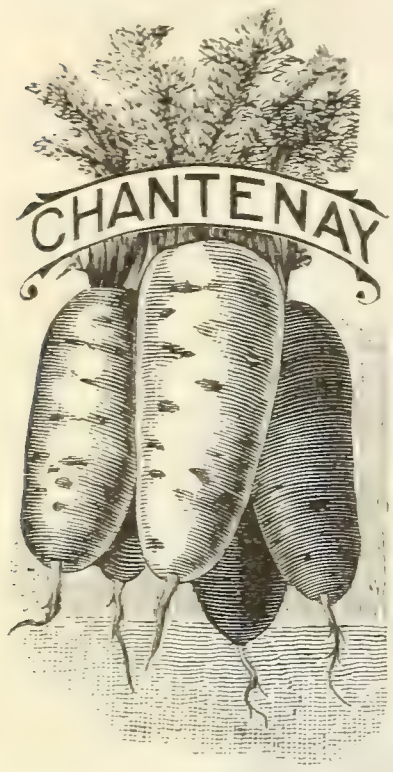
CARROT.

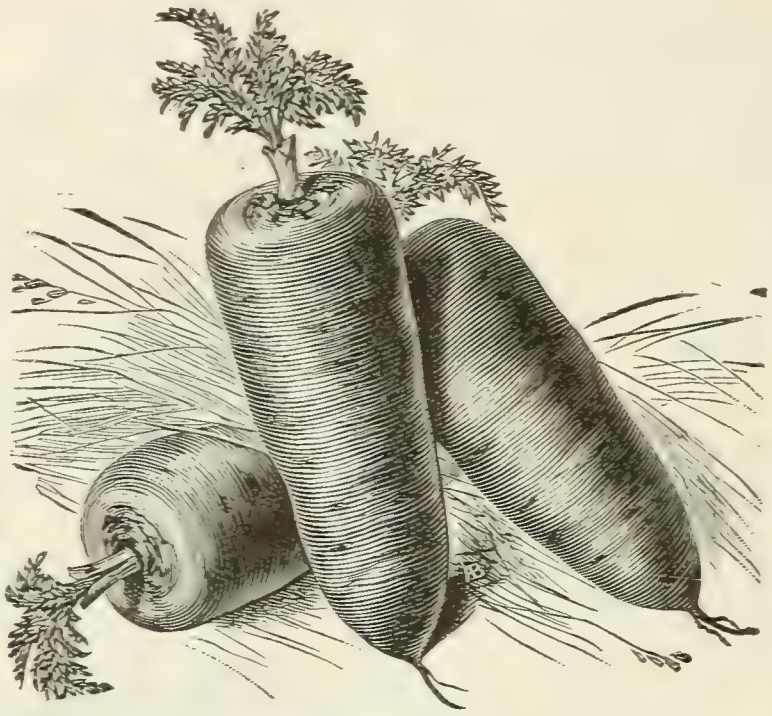
Moehren, GER. Zanahoria, SP. Carrotte, FR.

1 oz. 100 ft, drill; 3 lbs. per acre.

For early crops sow as soon as ground can be worked, in drills one inch deep and one foot apart (3 feet for field culture), from middle of May until first of July, thinning four to eight inches according to varieties. Keep your plants well cultivated. Under favorable conditions 600 bushels per acre is a fair crop.

The Carrot being enormously productive and of superior nutritive quality, is a desirable and profitable crop to grow for stock feed. We recommend to our farmer friends the Long Orange and the White Belgian variety as especially adapted for this purpose.





DANVERS HALF LONG.

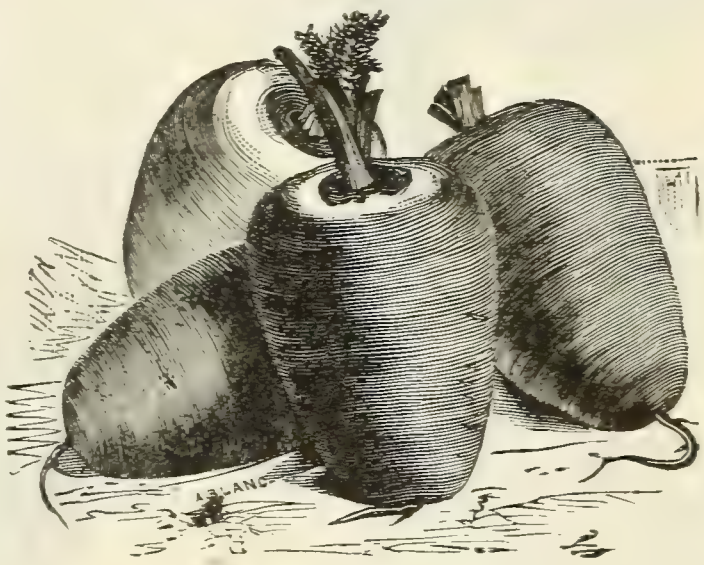
EARLY HALF-LONG SCARLET NANTES.

NEW CHANTENAY. This new, half-long carrot is one of the heaviest croppers grown. Of beautiful orange color, very smooth, has large shoulder and is easily harvested. For table use one of the finest of all. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

EARLY FRENCH FORCING. Root nearly round. The leading carrot for forcing or for early market. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

EARLY SCARLET SHORT HORN. Early and excellent, either for forcing or for open ground culture. Deep orange color. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

GUERANDE, OR OX HEART. Its quality recommends it for table use, while its size renders it highly profitable for stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.



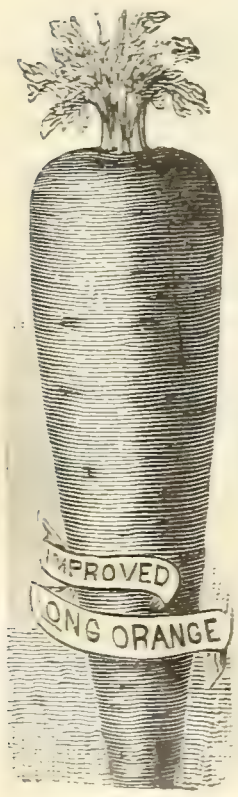
OX HEART CARROT.

DANVERS HALF LONG. A magnificent carrot of a rich orange color. Skin smooth and handsome. Very prolific, often yielding 20 to 30 tons per acre. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

EARLY HALF-LONG SCARLET NANTES. Skin smooth. A stump-rooted variety, having little or no core. Of fine flavor and a leading table variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

IMPROVED LONG ORANGE. Root 12 to 15 inches long. Color, orange red. Requires very deep soil, upon which it yields large crops. The standard variety for table use or for stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

RUBICON HALF LONG.



RUBICON HALF LONG.

A splendid carrot of recent introduction, that has won many friends through its *earliness, fine flavor*, and handsome dark orange color. The Rubicon is a splendid carrot for growing under glass, and equally valuable for outdoor culture. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.50.

SAINT VALLERY, OR NEW INTERMEDIATE RED. A very popular variety from France, of rich, deep orange color, uniformly large size and handsome form, intermediate in shape between the Half-Long and Long Orange. Excellent for garden or field culture. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

SCARLET INTERMEDIATE. Resembles Danvers somewhat, but is more tapering and of almost scarlet color. An excellent late and very productive carrot. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

HALF-LONG SCARLET CARENTON. (Coreless.) An early variety of most exquisite form and quality. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c.

WHITE BELGIAN. Very productive and most desirable for stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

LARGE WHITE VOSGES. A field carrot, especially adapted for shallow soils. Of excellent quality and a good keeper. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

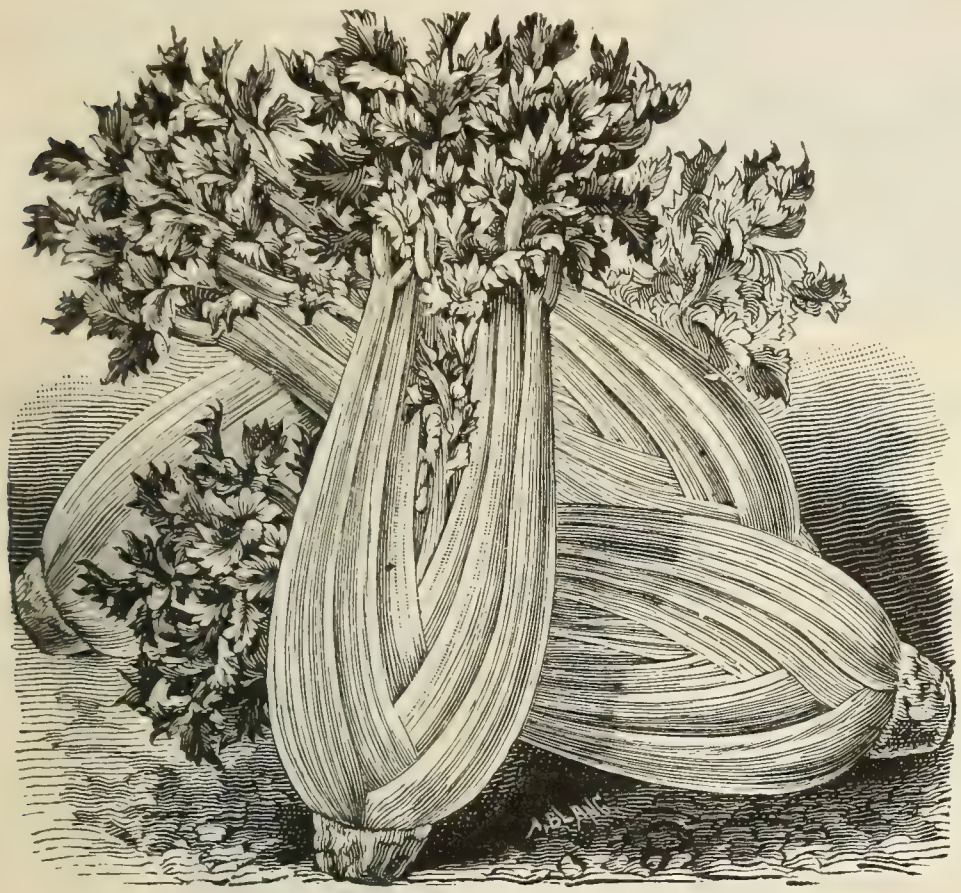
CELERY.

Sellerie, GER. Apio, SP. Celeri, FR.

1 oz. to 2,000 seeds. For prices on Celery Plants, see Vegetable Plant List.

Celery delights and thrives best in a muck land, but can be grown in any good garden soil, with proper cultivation. However rich and "mucky" the land may be, it is positively essential to good crops that it be annually fertilized with about two inches of well-rotted stable manure, carefully plowed under. Ample moisture must also be provided for.

Sow the seed in the open ground in April, or as soon as ground can be worked, for general crop; for early fall crop in hot-beds or house, in February or March. Prepare the soil well, and sow in drills a quarter inch deep and about ten inches apart, taking care to firmly press the soil over the seed.



HARTWELL'S PERFECTION

When about two inches high, after careful hardening, thin and transplant to two inches apart each way. Later dig broad trenches 4 feet apart and 4 to 6 inches deep, or they may be set on level ground, and when large enough, trim off the tops (to render stocky) and enough of the roots to admit of straight planting, and set in the trenches 6 inches apart, *covering to the crown only.*

Thickness, rather than length of stalk, indicates the proper time for transplanting; the increase being mainly in height after that process is begun. Close the stalks carefully, and draw the earth about one-third the height of the plant and firm it, taking care that none falls in upon the heart. Repeat the process every few days thereafter until the leaves are reached. When weather is warm enough to cause rusting of the stalks in banking, boards may be used for blanching purposes. Always use a cloudy day for transplanting, but never work among plants when wet.

To store for winter, select thoroughly drained ground and dig trenches one foot wide and as deep as the celery is high. Into this set the celery, lifted roots and all, in an upright position; set closely, but do not crowd. When severe cold weather comes, cover with leaves, hay, or straw. Place boards on the top to keep out the moisture. Or for more convenient use it may be put away in a light, dry cellar, covering all but the tops with sand.

Tile blanching is a favorite method for early use. A section of ordinary three-inch tile is used to cover the plants. Dirt should be drawn around the tile to hold it firm. By taking a heavy sheet of paper two or three inches longer than the tile and wrapping it firmly around the plant, the tile can be easily slipped into position and the paper withdrawn. In 2 to 4 weeks the stalks will be found handsomely blanched, white, crisp and tender.

Hartwell's Perfection.

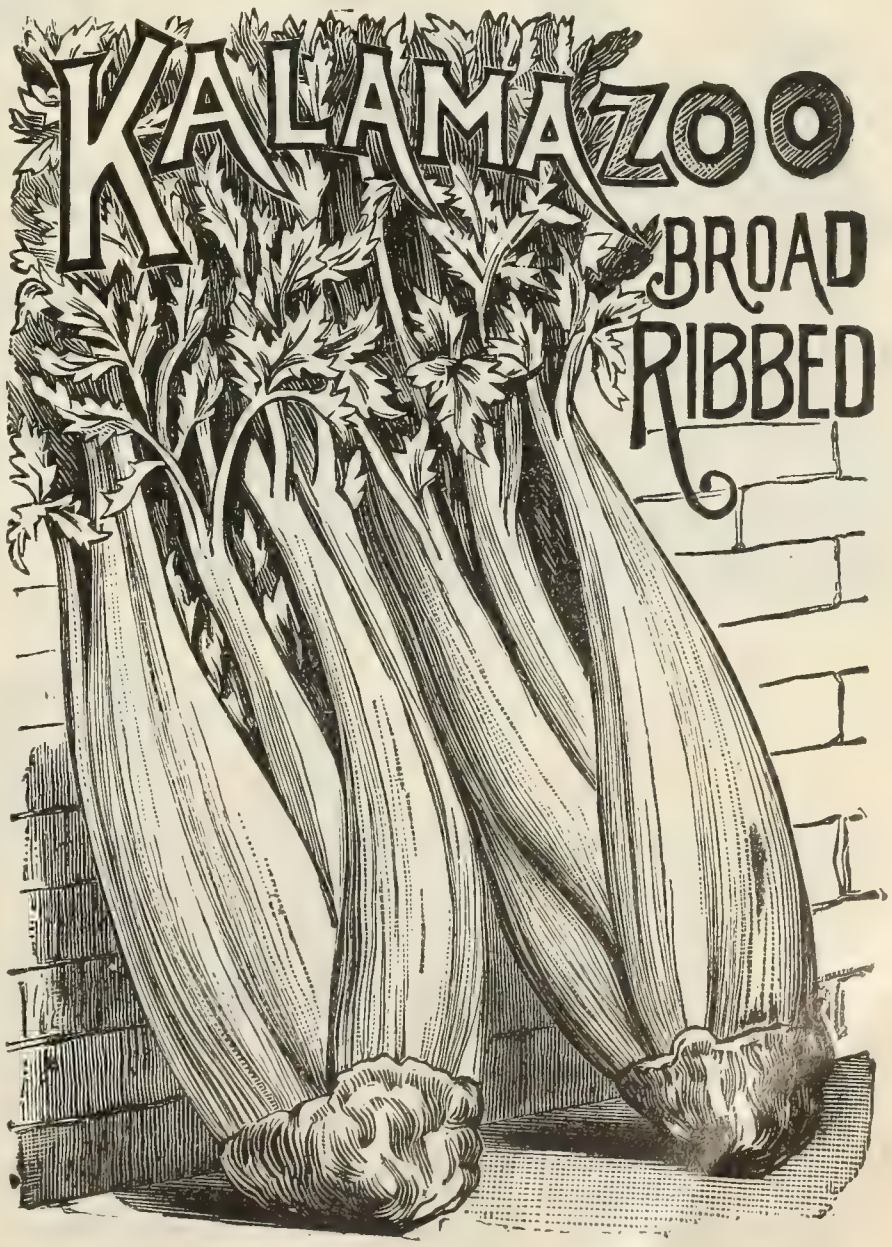
The standard sort of the white varieties. The stalks are of good size, vigorous growth, very solid, crisp and tender. Some of our largest growers, who have tried other sorts extensively, choose the "**Perfection**" for main crop of their winter variety. Pkt., 5c; oz,, 20c; ¼ ℔., 60c; ℔ , $2.00.

Giant Pascal.

A selection from the famous Golden Self-Blanching. It produces broad and thick, solid stalks of handsome appearance which are entirely stringless, crisp and tender, and of a delicious nutty flavor, and is absolutely free from any bitter taste. It requires but little earthing up, bleaches rapidly. It is the best keeper of all the Celeries, and for January and February use is undoubtedly unexcelled. It is a good shipping variety, free from rust or rot. Pkt., 10c; oz., 35c; ¼ ℔., $1.00; ℔., $3.50.

CRAWFORD'S HALF DWARF. (**Henderson's Half Dwarf.**) A vigorous, solid, creamy white, very ornamental variety, possessed of a rich, nutty flavor. Surpasses most of the large growing sorts in weight of bunch when grown under the same circumstances. A favorite with market gardeners. Pkt., 5c; oz., 20c; ¼ ℔., 60c; ℔., $2.00.

KALAMAZOO BROAD RIBBED. It is very distinct and handsome, of a cream white color throughout, attains a very large size, of quick growth, stiff and close habit (as shown in the illustration), is remarkably solid, crisp eating and fine flavored. Ribs are very broad, thickly and closely set, while by reason of its neat growth and showy appearance, it is a specially valuable variety for market. It is also a first-class keeper, remaining fit for use as long as the Golden Dwarf and other good keeping sorts. Pkt., 10c; oz., 35c; ¼ ℔., $1.00; ℔., $3.50.



Celery.—Continued.

DWARF GOLDEN HEART. A distinct, rare and decidedly ornamental type; when blanched being an exquisite golden yellow. Habit similar to the Half Dwarf White sorts. A fine wintering variety. Pkt., 5c; oz., 25c; ¼ ℔., 75c; ℔., $2.50

BOSTON MARKET. A medium sized, hardy crisp and delightfully flavored white variety. Pkt., 5c; oz. 20c; ¼ ℔., 65c; ℔., $2.00.

PARIS GOLDEN SELF-BLANCHING. A French variety which, though but recently introduced, has become a general favorite on account of its extreme ease of culture, its crisp texture and fine flavor, and its exceedingly beautiful appearance. No banking or blanching whatever is required, but, as the name implies, the large golden heart is self blanched—even the outer stalks becoming a delicate creamy white. Pkt., 10c; oz., 35c; ¼ ℔. $1.00; ℔., $3.00.

SANDRINGHAM DWARF WHITE. An excellent variety, having fine flavor and general good qualities. Pkt., 5c; oz., 15c; ¼ ℔., 35c; ℔., $1.25.

WHITE PLUME. The peculiarity of this leading variety is that the inner leaves and heart are naturally white, so that by closing the stalks, either by tying or by drawing the soil close about the plant and "firming" it, the blanching is completed. Pkt., 10c; oz. 30c; ¼ ℔., 90c; ℔., $3.00.

GIANT WHITE SOLID. The best large variety. Fine for market as well as family garden. Pkt., 5c; oz., 20c; ¼ ℔., 70c; ℔., $2.25.

NEW ROSE. We offer this as the choicest of the red varieties, and one calculated to win the favor of all. It is hardier, more solid, better winter keeper, more crisp, and of better flavor than the white or yellow sorts. Pkt., 5c; oz., 20c; ¼ ℔., 65c; ℔., $2.25.

GIANT GOLDEN HEART. A fine selection from the Dwarf Golden Heart; large size, beautiful color, crisp and deliciously flavored One of the best celeries for market, and also desirable for home use Pkt., 10c; oz., 50c; ℔., $3.00.

SOUP CELERY. For flavoring ¼ ℔., 10c; ℔., 25c.

CELERY FERTILIZER, 50 pounds, $1.25; 100 pounds, $2 00; 200 pounds, $3.50. SPECIAL PRICES ON TON LOTS.

CELERIAC.

(OR TURNIP-ROOTED CELERY.)

Knollen Sellerie, GER. Celeri-rave, FR. A pio nabo, SP

A turnip-shaped, tender, marrow-like variety, possessed of more pungent taste and odor than the common sorts. Keeps well, and is principally used for flavoring meats and soups.

EXTRA LARGE ERFURT. Much prized by German gardeners. Pkt, 5c; oz., 15c; ¼ ℔., 35c; ℔., $1.00.

APPLE SHAPED. A new and improved sort, that keeps admirably. Pkt., 5c; oz., 25c; ¼ ℔., 70c; ℔., $2.25.

CELERIAC.

Cress, or Peppergrass.

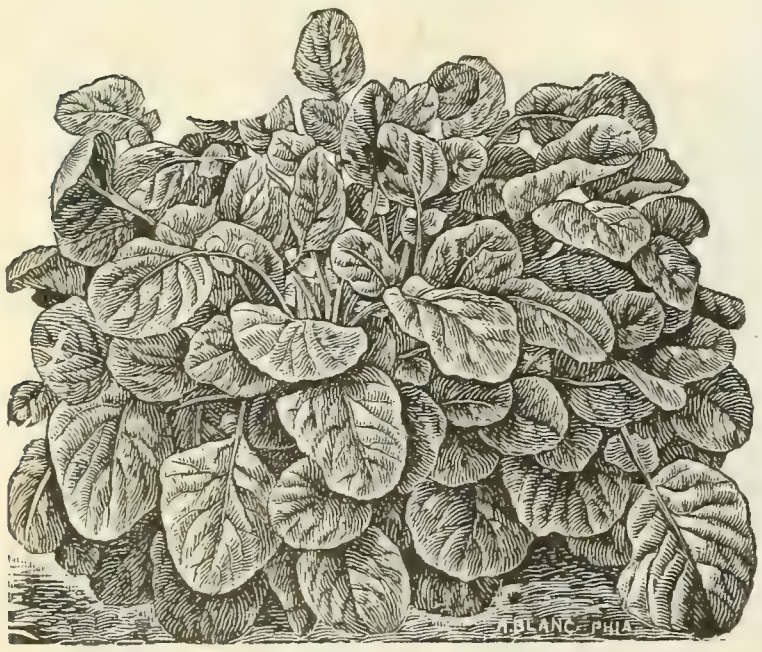
Kresse, GER Mastuerzo, SP. Cresson, FR.

Sow thickly in shallow drills in moist soil, covering very slightly, every two weeks for a succession. It is a hardy perennial, stays green nearly the whole year, and is ready for use before any other salad in the spring Best when cut quite young

UPLAND CRESS. A valuable acquisition of quite recent introduction: one which forms a very available substitute for the highly prized Water Cress. Pkt., 10c

DOUBLE CURLED. For salad or garnishing. May be cut two or three times. Pkt. 5c; oz., 10c; ¼ ℔., 25c; ℔, 60c.

WATER CRESS. (*Nasturtium Officinale.* Brunnen Kresse, GER.) Grows rapidly in moist places; better in shallow, clear running streams Pkt, 10c; oz, 35c; ¼ ℔, $1.00.



UPLAND CRESS.

CHICORY.

Kaffeewurzel, GER

Sow ½ inch deep in drills of one foot apart and cultivate like carrots. 1 oz for 100 ft. drill.

LARGE RED MAGDEBURG. The dried roots are used for mixture with coffee, or as a substitute. The young leaves make excellent greens, and are preferred by some even to the Dandelion Pkt, 5c; oz, 10c; ¼ ℔., 30c; ℔., 80c.

CORN SALAD, or FETTICUS.

Ackersalat, GER. Canonigos, SP. Mache, FR

1 oz. to 35 ft. row.

Seed may be sown in August or September, in shallow drills, and protected in cold sections by leaves or straw during the winter; thus grown, it furnishes an early spring supply of nice salad. Sown in spring, it grows rapidly and is soon ready for the pot. Cultivate the same as Lettuce, thinning to 3 or 4 inches apart Serve as Spinach

LARGE SEED. Selected from best plants. Pkt., 5c; oz., 10c; ¼ ℔., 25c; ℔., 75c

CUCUMBER.

Gurken, GER. Pepino, SP. Concombre. FR

1 oz. for 50 hills; 3 lbs. per acre in hills.

The Cucumber is a tender annual, and should never be planted in open ground until settled weather arrives, for general crop, about the middle of May. For pickles, plant in June or to about the middle of July. By far the best results are obtained from plantings in warm, rich, sandy loam. Prepare hills 4 feet apart each way, and mix with the soil of each a shovel full of well-rotted compost. Sow thickly, and when all danger of insects is past (Peroxide Silicate is sure death to the striped cucumber beetle), thin out all but three or four of the stockiest vines in each hill. As the cucumbers attain sufficient size, both the perfect and the imperfect specimens should be picked at once, as fruit left upon the vines to ripen soon destroys their vitality, and consequently their productiveness.

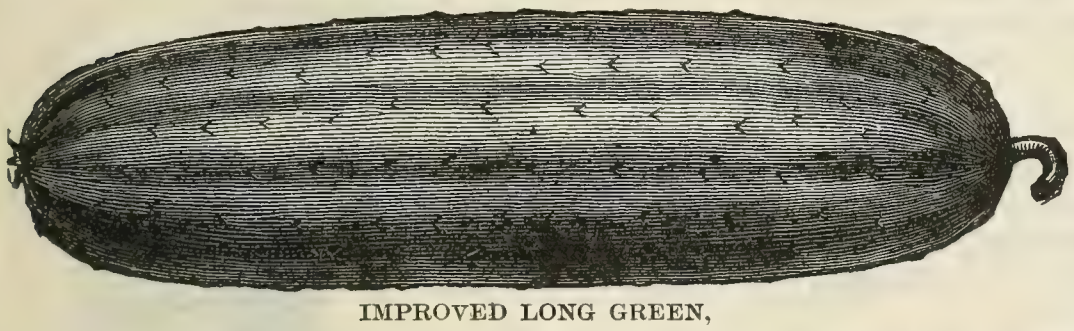
NICHOL'S MEDIUM GREEN CUCUMBER.

EARLY GREEN CLUSTER. Very early, hardy and vigorous, bearing fruit in clusters near the root. Desirable for table use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

SIBERIAN CUCUMBER. (NOVELTY.) Remarkable for its extreme earliness, surpassing all other varieties in this respect. Cucumbers five inches long have been grown in fifty-five days, from the seed. In addition to this valuable characteristic, it is a splendid free-bearing variety, grows straight and smooth. Flesh extraordinarily tender and crisp. Pkt., 10c; oz., 25c; ¼ lb., 80c.

EARLY RUSSIAN. Its hardiness, extreme earliness and productiveness render it a favorite for early markets. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

IMPROVED WHITE SPINE. The well-known standard variety for table use, either sliced or in pickles. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.



IMPROVED LONG GREEN,

PEERLESS WHITE SPINE. Vines healthy and luxuriant. Fruit of good size, straight and well-formed. Skin deep green, and spines white. Flesh white, crisp and of remarkably fine flavor. About ten days earlier than improved White Spine. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

TAILBY'S HYBRID. A hybrid of the White Spine and a large English variety, combining the prolificacy of the former with the size, hardiness and market qualities of the latter. Pkt., 5c; oz., 10c., ¼ lb., 25c; lb., 75c.

NICHOL'S MEDIUM GREEN. Is considerably thicker than the White Spine, and longer, though not so long as the Long Green. In point of productiveness, shapeliness, uniformity of size, delicacy of flavor and crispness of texture, we venture the opinion that it has no equal. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

CHICAGO PICKLE CUCUMBER. This variety is a result of careful and continued selection, made with a view of producing a perfect pickling cucumber. The effort has been successful, this variety being now recognized as superior for this purpose. The young fruits are short, crisp, coarsely prickled, and have a deep green color, which they retain after pickling. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb. $1.00.

IMPROVED LONG GREEN. Vines vigorous and productive. No recommend is required at the hands of seedsmen for this time-honored variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

EARLY FRAME. An old and popular variety, bearing fruit of good size, straight and well formed. Desirable for pickles. Pkt., 5c; oz., 10c.; ¼ lb., 25c; lb., 75c.

GREEN PROLIFIC. Immensely productive; considered one of the finest pickling varieties extant. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

BOSTON PICKLING. Largely cultivated by market gardeners, both as a table and as a choice pickling variety. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

WEST INDIA GHERKIN (Auguria). Smallest of all the varieties, and grown exclusively for fancy pickles. Fruit oval and prickly-skinned. Pkt., 5c; oz., 20c.

New Ever-bearing Cucumber.

This exceedingly productive and valuable variety of recent introduction has more than fulfilled our expectations. The vines bloom from June until frost, bearing continuously small size cucumbers of a dark green color and tender flesh. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

SWEET CORN.

1 Qt. for 200 hills; 8 Qts. for an acre in hills.

(Add 10c. per Qt. if to be sent prepaid.)

EARLY VARIETIES.

All of the sweet or sugar varieties may either be sown in rows 3½ feet apart, placing the kernels one foot apart in the row, or planted in hills at a distance of 3 to 4 feet each way. The richer the soil and the taller the variety, the greater should be the distance between the hills. The first planting may be made about May 15th. For succession, plant every two weeks thereafter until August.

Market gardeners and others desiring large quantities, will please send for special quotations.

CORY SWEET CORN. Its extreme earliness and size of ear combined, render it to-day the *leading early sweet corn.* It proves from 5 to 7 days earlier than the Marblehead, heretofore considered the earliest variety grown. Pkt., 5c; qt., 25c; pk., $1.00; bu., $3.75.

SHAKER'S EARLY SWEET CORN. The kernels are large, of pearly whiteness and delicious flavor. It matures for the table about the same time as the Early Minnesota, but the ears are very much larger and twelve-rowed. It is a great favorite with market gardeners, its extreme earliness, great productiveness and largeness of ear being its chief characteristics. Pkt., 5c; qt., 25c; pk., $1.00; bu., $3.50.

CHICAGO MARKET, or BALLARD'S EARLY. This remarkably early, twelve rowed variety, judging from its increasing popularity, is destined to become a standard extra early variety. Its claim for popularity includes a wide range of desirable qualities, important among which are *earliness*, maturing with the extra early varieties, *large size, fine appearance*, being well formed, and in color nearly white; *superior table qualities*, in this surpassing all other early varieties; *great productiveness*, yielding two or three ears on a stalk. These qualities, combined with a vigorous habit of growth, make of it a most desirable variety, which it is a pleasure to recommend. Pkt., 10c; qt., 20c; pk., 90c; bu., $3.25.

EARLY MARBLEHEAD.

CORY CORN—THE EARLIEST.

EARLY MARBLEHEAD. One of the earliest and most desirable varieties. Pkt., 5c; qt., 20c; pk., 90c; bu., $3.25.

EARLY MINNESOTA. An excellent market variety, coming on a trifle later than the preceding. Pkt., 5c; qt., 20c; pk., 75c; bu. $2.75.

EXTRA EARLY ADAMS. A field variety, properly, but coming into market quite early, is accepted as a table variety; hence largely cultivated by market gardeners for that purpose. Pkt., 5c; qt., 20c; pk., 75c; bu., $2.75.

INTERMEDIATE VARIETIES

NE PLUS ULTRA, or SHOE PEG. An old favorite among the New England gardeners. The kernels are very deep pearl white, exceedingly sweet and tender, the cob extraordinarily small. It is very productive, bearing from 2 to 4 ears to the stalk. These desirable qualities make the Shoe Peg the best adapted corn for table use. No kitchen garden should be without it. Pkt., 5c; pt., 25c; qt., 35c; pk., $1.25; bu., $4.50.

AMBER CREAM. Kernels large, deep, tender, rich in sugar and when ready for use delicately cream-colored. A medium early variety that is winning great favor. Pkt., 5c; qt. 25c; pk. $1.00; bu., $3.50.

PERRY'S HYBRID. A very desirable sugar corn. Ears twelve to fourteen rowed and average two per stalk. Kernel large, white, tender and deliciously sweet. Comes into market about midway between Marblehead and Minnesota. Pkt., 5c; qt. 20c; pk. 90c; bu. $3.25.

CROSBY'S EARLY SUGAR. Highly esteemed for canning purposes, also for table use. Pkt., 5c; qt., 20c; pk., 90c; bu. $3.00.

MOORE'S EARLY CONCORD. A superior variety of great value as an intermediate sort. Pkt., 5c; qt., 20c; pk., 90c; bu. $3.00.

BLACK MEXICAN. Kernels bluish black in color; said to be the sweetest corn in cultivation. Early. Pkt., 5c; qt. 25c; pk. $1.00; bu., $3.50.

CHICAGO MARKET

Sweet Corn—Continued.

LATE VARIETIES.

STOWELL'S EVERGREEN. Stalk 6 to 7 feet in height, bearing 3 to 5 ears, 7 to 8 inches in length and 12 to 16 rowed. Kernels deep and pure white when ready for the table; yellow when ripe. A standard sort that, if planted for succession, will keep the table supplied up to October with tender and delicious corn. Very hardy, productive, and remains a long time fit for use. Extensively used for canning purposes. Pkt., 5c; qt., 20c; pk., 90c; bu., $3.00.

EGYPTIAN SWEET or WASHINGTON MARKET. A late variety bearing ears of large size; peculiarly rich and sweet; desirable for canning. Pkt., 5c; qt., 20c; pk., 90c; bu., $3.00.

HICKOX IMPROVED. An intermediate variety. Quality the very best. Pkt., 5c; qt., 20c; pk., 90c; bu., $3.00.

GOLD COIN. A splendid yielder, producing 2 or 3 mammoth ears to the stalk. The cob is snowy white, compactly covered with large and very deep kernels of sweet and delicate flavor. Pkt., 5c; qt., 20c; pk., 90c; bu., $3.00

MAMMOTH SWEET. Forms the handsomest ears of any standard late variety. Pkt., 5c; qt., 20c; pk., 90c; bu., $3.00.

Sweet Corn for Fodder.

There is nothing better for green feed, or for curing for winter, than Sweet Corn. Cattle highly relish it, and when fed on it keep in fine condition, and give an abundance of milk. It has the great merit of being so sweet and palatable, that cattle eat every part of the stalks and leaves. Also excellent for soiling. Sow in drills or broadcast. Peck, 50c; bu., $1.50.

FIELD AND POP CORN, SEE LIST OF FARM SEEDS.

ENDIVE.

Endivien, GER. Endivia, SP. Chicoree, FR.

1 oz. will sow 150 ft. of drill.

This excellent salad for fall and winter use, is easily grown in any good garden soil, and is exceedingly popular and desirable, coming as it does, after the lettuce season.

For early supply, sow in April; for fall use, some time in July. Plant in shallow drills 14 inches apart, and when large enough to handle, thin out or transplant to one foot apart in drills When the leaves are eight to ten inches long, tie the tips together, in order to blanch the heart and remove the bitter taste; this work must be done when quite dry, or they will rot To preserve in winter take the plants up carefully with a ball of earth to each plant, and place close together in frame or cellar, keep dry and give them plenty of air.

GREEN CURLED. The hardiest variety, and the standard for fall and winter use, also bears extreme heat. A favorite for the market. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.50.

WHITE CURLED. Leaves pale-green, crisp, tender and beautifully curled. Use only when young, and cut and serve as lettuce. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.75.

FRENCH MOSS CURLED. A unique variety, somewhat resembling a tuft of moss. Very crisp, tender and of good flavor. Being less hardy than other sorts, it requires protection from cold Pkt., 5c; oz., 25c; ¼ lb., 75c.

BROAD-LEAVED BATAVIAN. Forms large heads of broad thick leaves Preferred for flavoring soups, and is also excellent blanched to form a salad for summer use. Pkt. 5c, oz., 20c; ¼ lb., 50, lb., $1 75

KOHL RABI.---Turnip Rooted Cabbage.

Blaetterkohl, GER. Col rabona. SP. Chou-rave, FR.

1 oz to 2,000 plants.

This is another of the cabbage family, intermediate between the cabbage proper and the turnip, and combining the flavor of both The edible portion is the bulb, and should be used when young It is also exceedingly nutritious for cattle.

CULTURE.—Sow in drills 16 inches apart and cultivate as Swedes taking care never to cover the bulbs with earth. It being somewhat difficult to transplant successfully, we would recommend sowing in the permanent bed and thinning at the proper time to 6 inches apart. Sow from June until July for succession at intervals of 10 days.

EARLY WHITE VIENNA. Early dwarf, bearing handsome white bulb, which is tender and excellent when young Pkt., 5c. oz. 20c; ¼ lb., 60c; lb., $2.00.

EARLY PURPLE VIENNA. Very similar to above, except color which is bluish purple. Pkt., 5c; oz., 20c; ¼ lb. 60c; lb. $2.00.

STOWELL'S EVERGREEN.

GARLIC.

Knoblauch, GER. Ajo, SP. Ail, FR.

1 lb. to 10 ft. drill.

A bulbous-rooted perennial, much valued for flavoring soups, stews, etc. It thrives best in a light, well-enriched soil. Bulbs should be planted in April or May, in rows 12 inches apart and at a distance of 4 inches in the row Cultivate and harvest as onions

GARLIC BULBS. Per. lb., 30c; 10 lbs., $1 50; (not prepaid).

EGG PLANT.

Eierpflanze, GER. Bergena, SP. Aubergine, FR.

1 oz. for 1,000 plants. For price on plants see vegetable plant list.

Any good garden soil will answer, provided it be in a sheltered position and be well cultivated. Sow in hot-bed in March; when two inches high, transplant into a second bed or thin to 4 inches apart. Plant in open ground at commencement of summer weather, setting out in rows 2½ feet apart each way. Carefully protect from intense sun, drought, weeds and potato bugs. Throughout its growth take every precaution to avoid chilling. *Use Peroxide Silicate or Slug Shot if you notice potato bugs on your egg plants.*

NEW YORK IMPROVED ROUND PURPLE. Fruit large and oval A late variety, highly esteemed and more extensively grown than any other sort. Pkt., 10c; oz., 40c; ¼ lb., $1.25; lb., $4.50.

BLACK PEKIN. Fruit large and nearly round. Skin smooth, black and glossy. Very early prolific and fine for market garden. Pkt., 10c; oz., 40c; ¼ lb., $1.25; lb., $4.50,

EARLY LONG PURPLE. Fruit long and dark purple. Early and productive, being hardier than the N. Y. Purple, is recommended for northern latitudes. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., $2.50.

LETTUCE.

Lattich, GER. Lechuga, SP Laitue, FR.

1 oz for 2 000 plants.

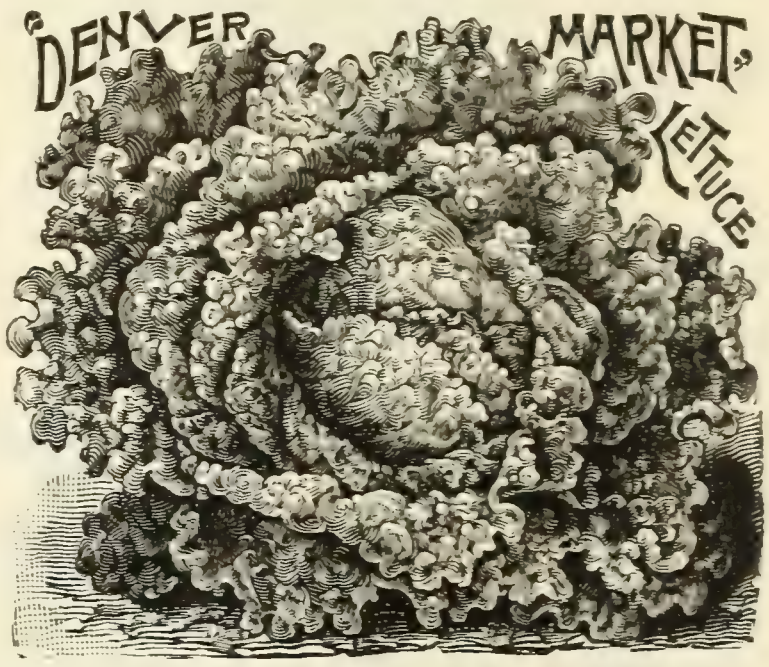
A hardy annual and a leading salad plant that will grow in almost any garden soil, but the higher the state of cultivation the larger and handsomer will be the heads, while the quicker and more vigorous the growth, the more tender and crisp will be their quality. Requires moisture in abundance.

If only the permanent bed is available, sow as early in March or April as the frost is out of the ground, in drills 14 inches apart, covering to the depth of ¼ inch only and thin to about the same distance apart in the row. In this way large fine heads may be produced. If desired to cut young, sow thickly in drills or broadcast. For succession, sow often during the season, choosing varieties which will endure the summer heat, and are slow to run to seed.

For forcing, sow broadcast in hot-bed every month, and when plants have gained two or three leaves thin to 4 inches apart, transferring the thinnings to another part of the bed. When about three inches high transplant the whole to the permanent hot-bed, about 14 inches apart each way. Water frequently and abundantly with liquid manure, and gradually increase the supply of air as plants increase in size

Denver Market Lettuce.

An early variety of head lettuce, either for forcing or open ground. It forms large, solid heads of a good light green color The leaves are beautifully marked and blistered (like the savory cabbage) very crisp, tender and of excellent flavor. In shape the head resembles the "Hanson" but is more oblong. Pkt., 10c; ¼ ℔., $1 00; ℔., $3.00.



Grand Rapids Forcing.

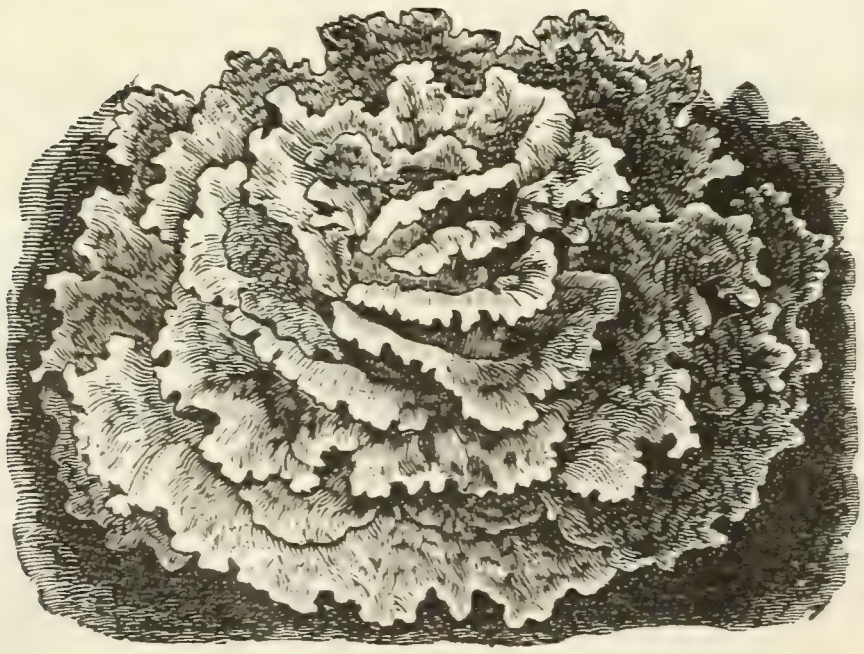
This variety originated near Grand Rapids, Mich., where it is very highly prized by the market gardeners. In rich soil, in frames or green houses, it produces large and tender heads and *is altogether one of the best forcing varieties grown* It is of extremely rapid growth very little liable to rot, and retains its freshness a long time after cutting Pkt, 10c; oz, 25c; ¼ ℔, 60c; ℔, $2 25.

EARLY CURLED SILESIA. An early variety of vigorous growth Desirable to bunch for early market Pkt., 5c; oz, 10c; ¼ ℔., 25c; ℔, 90c.

TENNIS BALL; WHITE SEEDED; BOSTON MARKET. Very compactly formed of beautiful white crisp leaves. Most desirable for early forcing. Pkt., 5c; oz., 10c; ¼ ℔., 25c; ℔., $1 00

The Deacon.

This is one of the dark-green thick-leaved sorts nearly all of which are of good quality Head compact, roundish or a little flattened, when of full size in some plants measuring fully five inches in diameter. Outer leaves few in number which with the perfectly defined head, give the plant a very distinct appearance. Sure to head. *One of the very best to withstand summer heat* and slow to run to seed. Pkt., 5c; oz., 10c; ¼lb, 30c; lb., $1.00.



Black Seeded Simpson.

This variety takes first rank with Chicago Market Gardeners and is by them esteemed one of the very best sorts for the frame or hot-house, as well as for early out-door planting. Does not produce a solid head but forms a compact bunch of leaves, thin, crisp and tender, much larger and lighter colored than the ordinary Simpson. Pkt., 5c.; oz., 10c.; ¼ ℔. 30c; ℔., $1.00.

SIMPSON'S EARLY CURLED. Does not head but forms a dense mass of tender, dark-green curled leaves. Pkt, 5c, oz, 10c; ¼ ℔,. 30c; ℔., $1.00.

TENNIS BALL; BLACK SEEDED. Close, hard, well-formed heads Leaves green, thick, crisp and tender. One of the earliest, extremely hardy, and well adapted both to forcing and out door culture Pkt., 5c; oz., 15c; ¼ ℔., 35c; ℔, $1 10.

HUBBARD'S MARKET. Heads of medium size. One of the earliest and very best standard varieties. Our strain is gathered from selected heads. Pkt., 5c; oz., 15c, ¼ ℔., 35c, ℔., $1.25.

GOLDEN HEART. (New.) Heads large, solid, exceedingly handsome, and endure severe heat without wilting. Pkt., 5c; oz, 15c; ¼ ℔., 40c; ℔., $1.50.

YELLOW SEEDED BUTTER. Heads large, dense; endure summer heat admirably and are slow in running to seed. Leaves throughout are a beautiful golden color, tender, crisp and of excellent flavor. Pkt., 5c; oz., 15c; ¼ ℔., 35c; ℔., $1.25.

SALAMANDER. Heads large, compact, light-green with white center. Invaluable to market gardeners, because of its remaining a long time in head, and also on account of its resistance to both drought and heat. Pkt., 5c; oz., 15c; ¼ ℔., 35c; ℔, $1.25.

AMERICAN GATHERING. A decidedly ornamental variety having red-tipped leaves. Pkt., 5c; oz., 10c; ¼ ℔., 30c; ℔., $1.00.

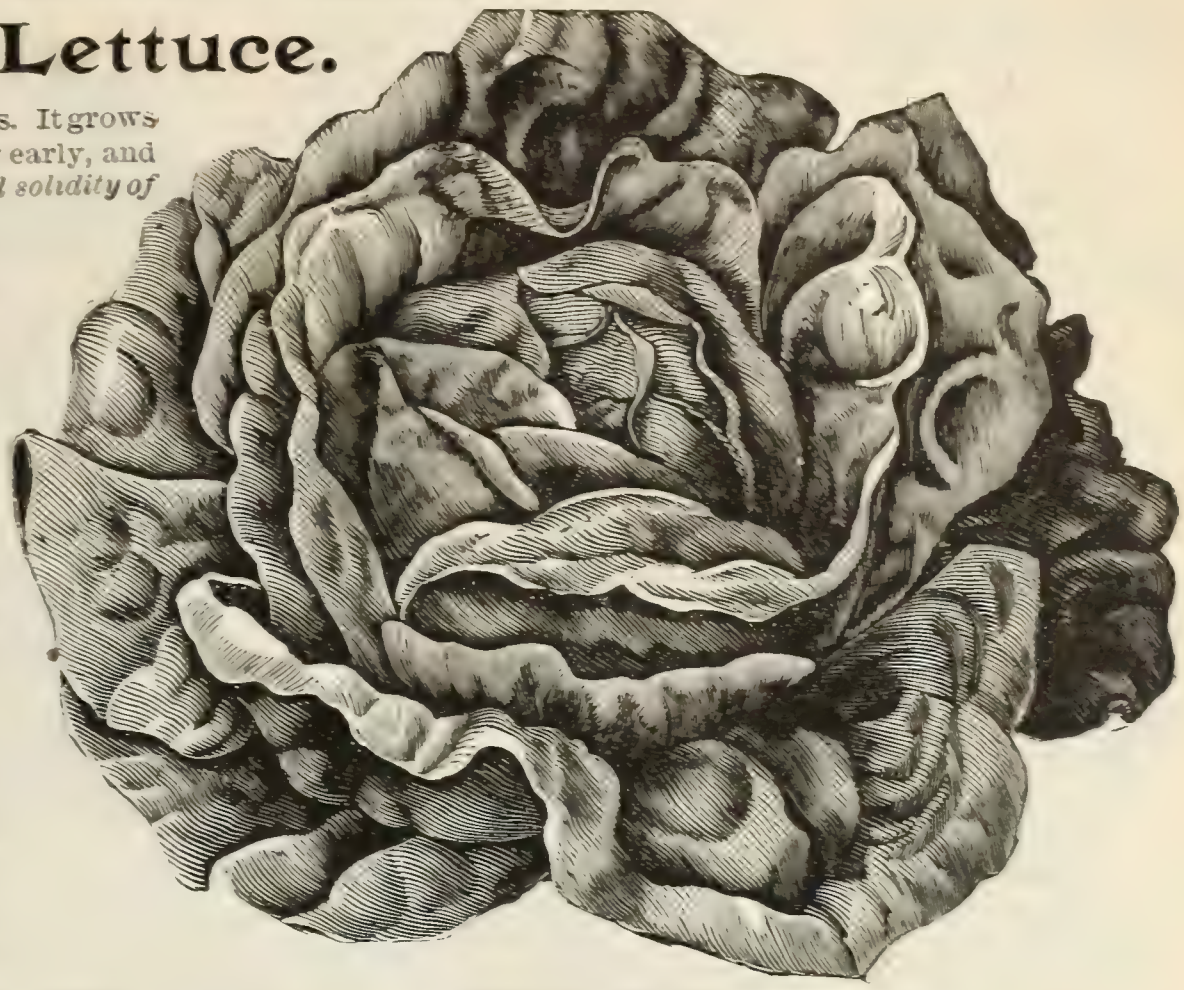
LARGE DRUMHEAD. Heads extremely large, tender and delicious. One of the leading summer sorts. Pkt., 5c; oz., 10c; ¼ ℔., 30c· ℔., $1.00.

PHILADELPHIA BUTTER. Heads hard, compact and bluish green. Very early and desirable for forcing or for early out-door planting Pkt, 5c; oz., 10c; ¼ ℔., 30c; ℔, $1.00.

PARIS, OR GIANT WHITE COS. Tender, crisp, brittle, very hardy, and slow in running to seed. The leaves should be tied up to insure blanching. Pkt. 5c; oz., 15c; ¼lb. 35c; lb., $1.25.

Lettuce—Continued.

The Genesee Lettuce.



GENESEE LETTUCE.

A decided acquisition among summer lettuces. It grows very rapidly, producing heads extremely early, and of extra quality. *Remarkable for size and solidity of head; some plants attaining a diameter of 1¼ ft., and a weight of nearly 4 pounds* Outer leaves are a vivid green of unusually clear shade, while the inner, of creamy white, are disposed about the center in a strikingly ornamental way The leaves are tender and crisp of finest table quality, entirely free from bitterness. The chief characteristic, however, is its slowness to seed. We have allowed plants to stand for weeks beside dozens of other varieties, all remarkable for "slowness to seed," and not a flower stalk appeared until all the others were well ripened. Pkt., 10c; oz., 25c; ¼lb., 75c; lb., $2.50.

GREEN FRINGED. Surpasses all others in appearance; the inner portion of the leaves being white, edged with a beautifully fringed and crimped green border. Desirable for table ornamentation. Pkt ,5c; oz.,10c; ¼lb.,30c; lb.,$1.00.

BOSTON CURLED. The large, green, deeply curled leaves are closely bunched to resemble a tuft of moss. Very ornamental and of good flavor Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00

ALL THE YEAR ROUND. A hardy head lettuce. Leaves crisp and tender. Desirable both as a forcing and a summer variety. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.00

FRANKFURT HEAD, BLACK SEEDED. Desirable, being remarkably slow in running to seed. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

WHITE SUMMER CABBAGE. Heads large, greenish white, compact and handsome, of extra quality, very tender, crisp, and of quick growth. A fine market variety for summer. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

HANSON. Heads handsome, solid and tender and of excellent quality. Outside leaves green, white within. Recommended for out-door culture. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., $1.25.

EARLY PRIZE HEAD. A mammoth variety, keeping even the outer leaves crisp, tender and of delightful flavor throughout the entire season. Very hardy and slow to seed. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., $1.25.

MIXED VARIETIES. Early, medium and late sorts, mixed in one packet, giving lettuce for the table throughout the whole season. Pkt., 10c.

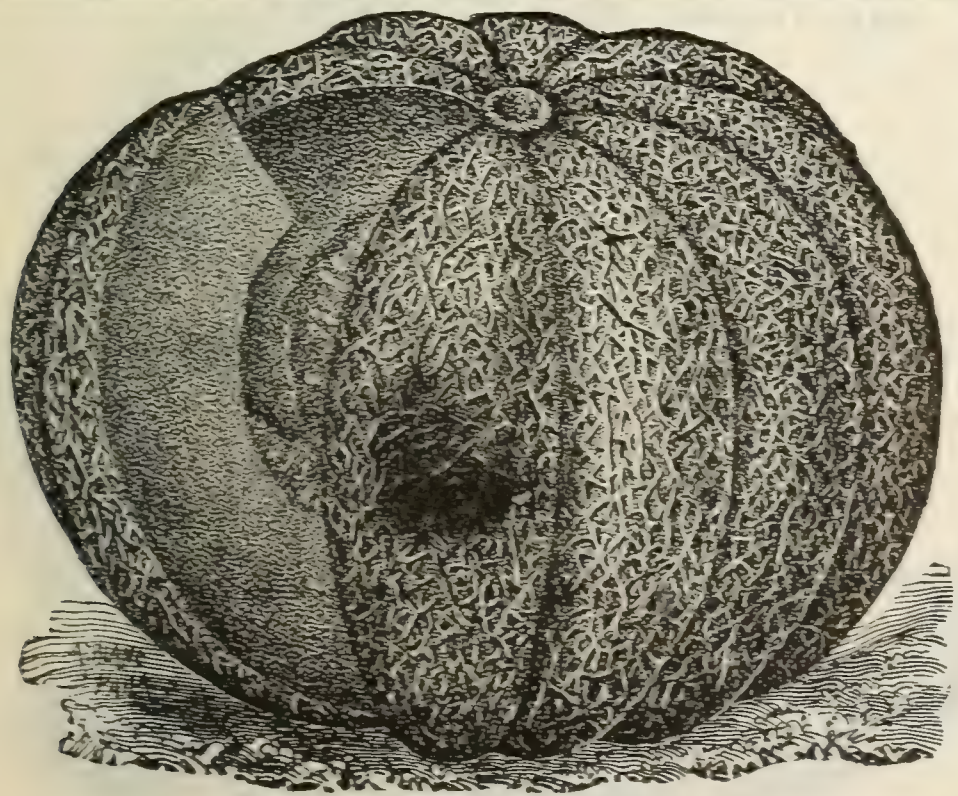
MUSK MELON, or CANTELOUPE.

Melone, Ger. Melon, Fr.

1 oz. to 60 hills; 2 to 3 lbs. per acre in hills.

Musk melons thrive best in a warm, rich, mellow, sandy loam. After thorough spading or plowing, make hills 6 feet apart each way and mix with the soil of each two shovelfuls of well-rotted compost. The hills should be 18 inches in diameter, 15 inches in depth, and raised about 3 inches above the surface of the land. As soon as warm weather becomes established plant 12 to 15 seeds in a hill. When plants are well up and all danger from bugs has passed, thin gradually, leaving finally 2 or 3 of the stockiest vines to the hill. Should the growth prove too luxuriant, pinch off the end of the vines when about 3 feet in length. Should the fruit set too thickly, thin when young, in order to increase the size and quality of the remaining melons. This also hastens ripening.

Ashes or lime is excellent to sift over the young plants to prevent the attack of insects. (Use Peroxide Silicate or Slug Shot to kill them.)



MONTREAL MARKET.

MONTREAL MARKET. A prolific Nutmeg variety, largely grown for the Montreal market, where it is held in deservedly high esteem. Very nearly round, flattened at both ends, and deeply ribbed. Rind is green and netted. Flesh green, very thick and of exceptionally fine flavor. Melons grown under glass—the common method pursued with them—attain a weight of 20 pounds and upwards. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

PERFECTION or PRINCESS. Vines vigorous. Fruit of large size, flattened, lobed and netted. Flesh green. Fine either for home use or market. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.00.

MUSK MELON, OR CANTALOUPE.—Continued.

NEW CHAMPION. This new variety possesses many good points: earliness, uniform growth, fair size, weighing 4 to 5 pounds; handsome in appearance, and excellent shipping qualities. The flesh is thick, light green, rich and sweet. Our stocks are genuine, and we recommend it for family or market garden. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., $1.00.

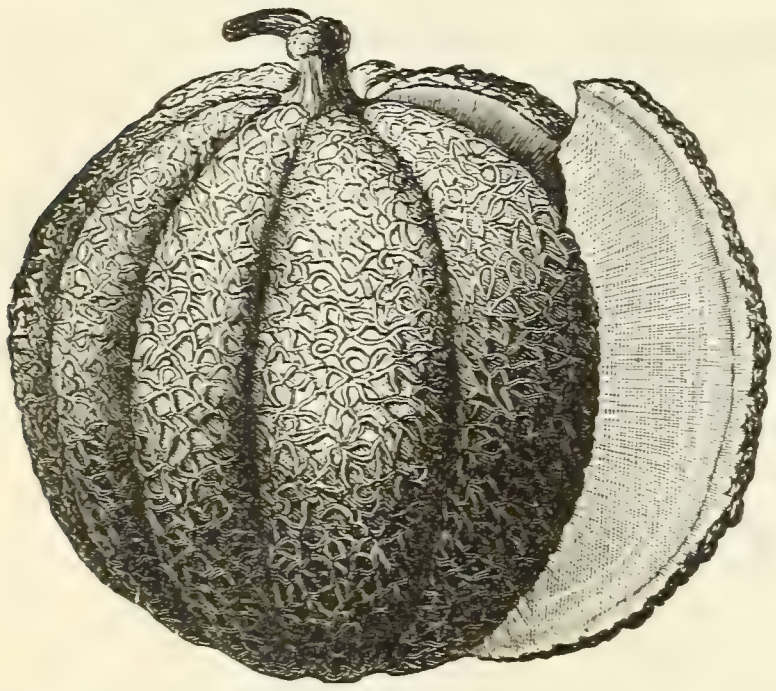
EMERALD GEM. Orange flesh. Without doubt the most delicious table melon extant. The luscious flavor and melting flesh of this melon is without an equal. The vine is prolific, extra early; melons rather small but of a desirable table size. It cannot be shipped successfully. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

SUTTON'S GREEN CITRON. A well-known standard variety. Flesh green, sweet, juicy and delicious. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

IMPROVED LONG GREEN NUTMEG. Fruit of good size and nearly round. Flesh greenish yellow and of delicate flavor. Very early. Pkt., 5c; oz., 10c; ¼ lb 20c; lb., 70c

SURPRISE. An early and very prolific variety, bearing good sized melons of first quality. Flesh thick, salmon-colored and of exquisite flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

EXTRA EARLY HACKENSACK. Fast becoming the most popular variety with market gardeners. Fruit large, round and netted. Flesh green and deliciously flavored. Very productive indeed and a good shipper. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.



IMPROVED CHRISTIANA.

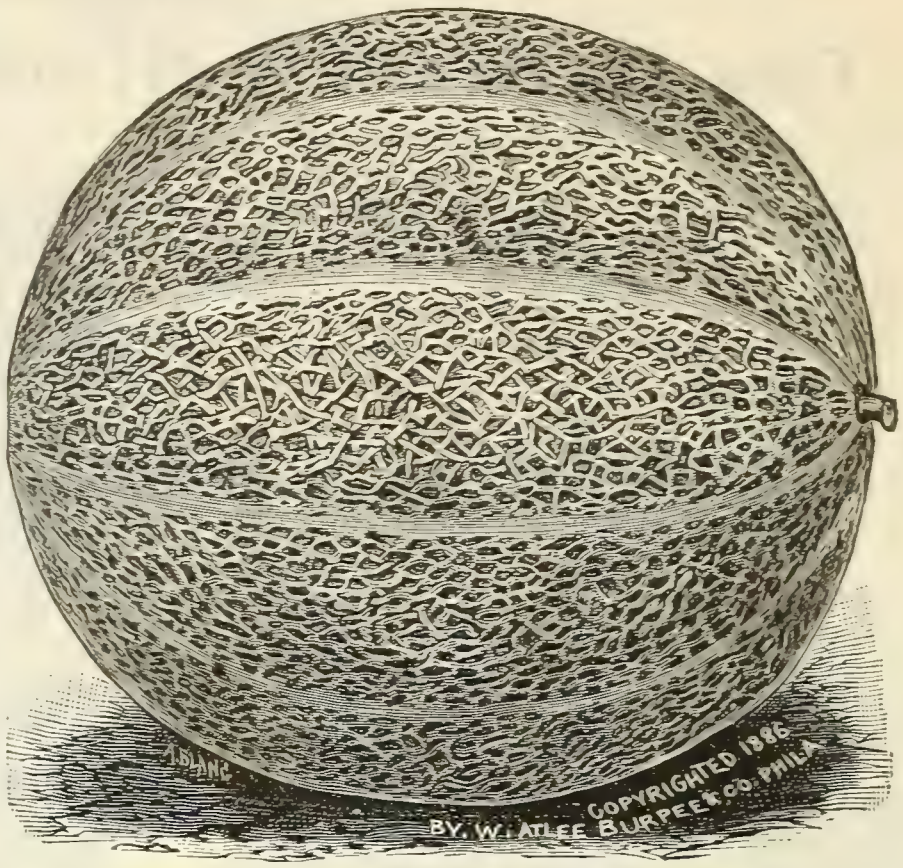
CHRISTIANA. Especially to be recommended because of its extreme earliness, being of the quickest growth of any on record. Flesh yellow, sweet, juicy, and of good quality. It is best just as it falls from the vines, hence adapted particularly to the family garden. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

OSAGE MELON, or MILLER'S CREAM. Styled the Queen of Melons. This novelty but recently introduced is most highly prized about Chicago, and is fast becoming the most popular variety in nearly all the hotels and restaurants. Skin dark-green, slightly netted, medium sized and egg-shaped. The flesh is of a rich salmon-color very sweet and melting in quality, and is so thick that the melon is almost solid, the seed cavity being remarkably small. Pkt., 5c; oz., 20c; ¼ lb., 30c; lb., $1.00.

BAY VIEW. Fruit very large and handsome, attaining under ordinary cultivation a length of 18 inches, and a weight of 12 to 15 pounds. Flesh green, thick, sweet, and juicy. Very hardy and prolific. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.

SKILLMAN'S FINE NETTED. A small, very early standard melon of recognized merit. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

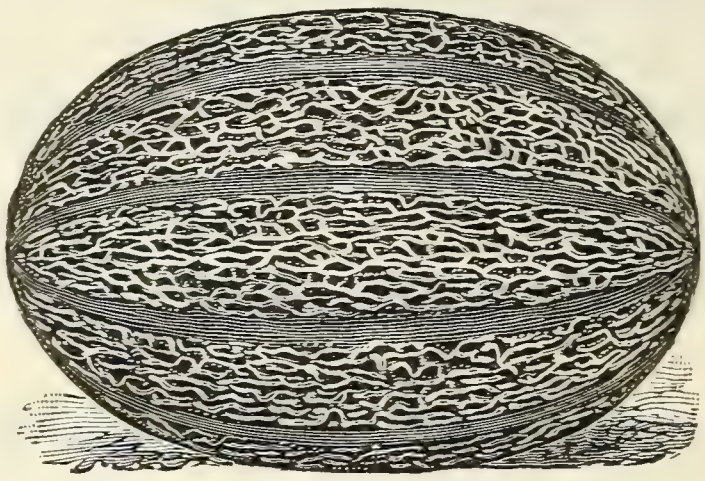
CASABA. or LONG PERSIAN. Flesh yellowish-green, rich melting and sweet. Particularly fine for home use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



NEW CHAMPION MARKET

JENNY LIND. An early and desirable market sort, of excellent flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

BALTIMORE MARKET. Flesh green, very thick and remarkably sweet and juicy. A fine shipper and a prominent hotel and restaurant melon for the leading markets. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.



BALTIMORE MARKET.

NETTED GEM. One of the earliest, most productive and finest *small* melons grown. Fruit globular in form, uniform in size and weight—ranging under 2 pounds—and keeps finely for nearly a week after plucking. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

CHICAGO MARKET. This exceedingly valuable variety, originated, as a result of careful selection, with one of Chicago's most successful market gardeners and melon growers. It matures early, ripens evenly, and is of uniform size. The fruit is large, nearly round in form, and flattened at the ends. Flesh thick and of most delightful flavor. It is a green fleshed variety, and in good demand among the Chicago hotels. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

BANANA. An entirely distinct variety, bearing long, slender, banana-like fruit; skin creamy white and entirely free from netting; flesh deep salmon color, thick and of good quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c.

LARGE YELLOW. Flesh reddish orange, sweet and of good quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

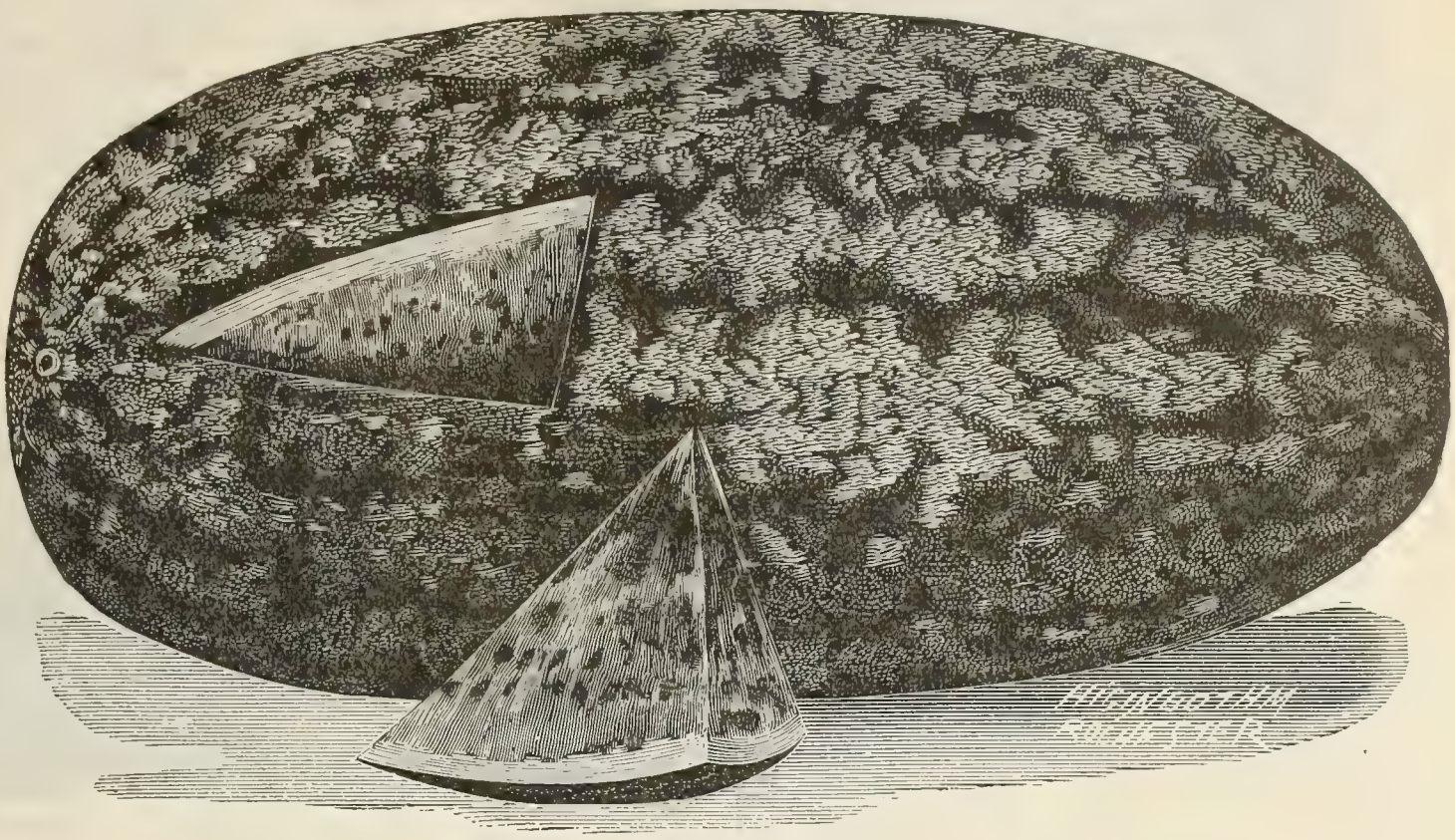
WATER MELON.

Wassermelone, Ger. Sandia, Sp. Melone d'eau Pasteque, Fr.

1 oz. to 30 hills; 4 to 5 lbs. in hills to an acre.

The culture of the Water Melon is very similar in all respects to that of the Musk varieties. Being hardier, and of much more vigorous habit, however, it may be planted in May, before settled warm weather appears, in hills not less than 8 feet apart, and thinned to two vines per hill. If melons of largest size are the object, remove all but a few when quite small.

SIBLEY'S TRIUMPH. This is a superb new melon. The form is long, as represented in cut. Rind, dark green with light mottled stripes; flesh brilliant red, crisp and deliciously sweet. It is a variety of exceedingly rare merit, one calculated to succeed in any latitude and to command the highest market prices, whether for table, shipping or exhibition purposes. Mr Coy, of Waterloo, Neb., who has grown from seed stocks and tested its merits for himself, pronounces it "*a jewel of a melon!*" So say we, all of us! Single pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $2.00.

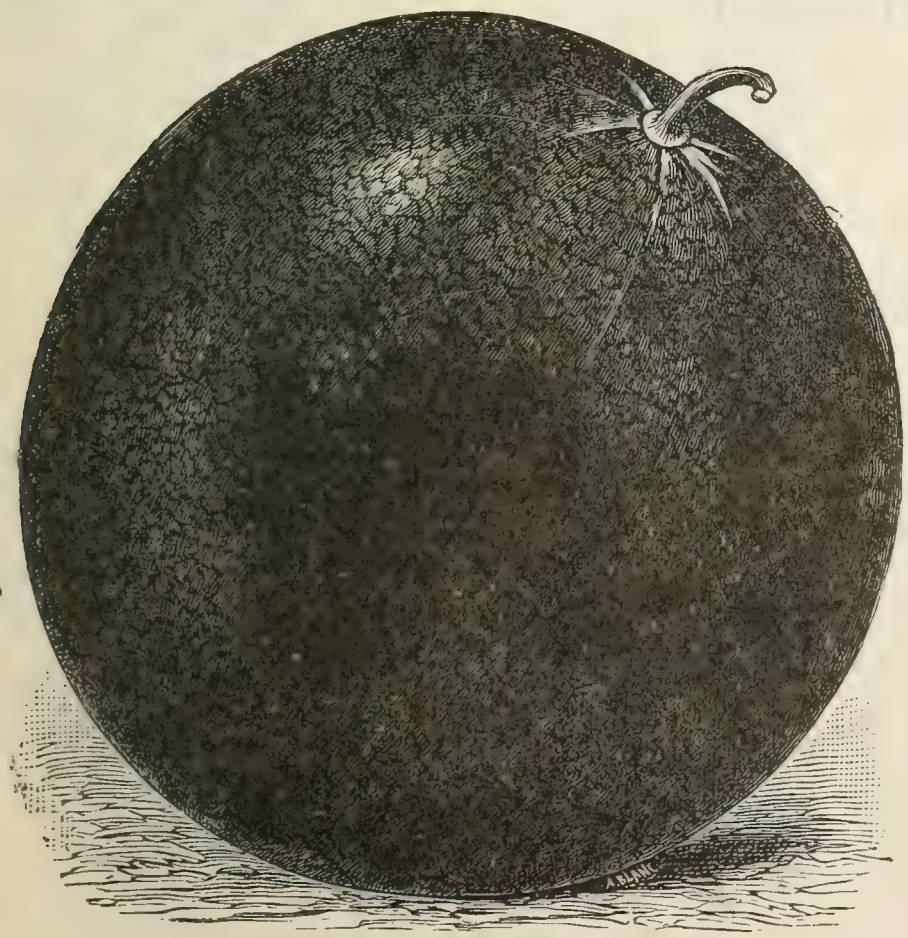


SIBLEY'S TRIUMPH.

GREEN AND GOLD. The flesh is a beautiful golden orange color, free from any tinge of white or other color. The fruit is of good size. It is the largest early variety in cultivation, and its productiveness is equal to any of the red-fleshed sorts, while in delicious flavor it surpasses them all. Independent of the delicious flavor of the *Green and Gold* watermelon, its rich golden color will make it most desirable as an ornament for the table especially if its golden slices are arranged in contrast with the crimson of the older sorts. Pkt., 5c; oz., 15; ¼ lb., 40c; lb., $1.25.

PHINNEY'S EARLY. Flesh red, sweet, tender and brittle. Hardy, productive, early and a sure cropper. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

THE BOSS. Fruit above medium size and oblong; flesh brilliant red and of unusually rich flavor. Excellent for home use. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



HUNGARIAN HONEY WATERMELON.

HUNGARIAN HONEY. A small, round globe-like, variety of recent introduction, noted for its delicious, honey-like flavor. Rind dark green; flesh deep carmine, juicy, entirely stringless and coreless. Vines are hardy, productive and mature the melons early and evenly. It is a convenient size for family use, and must become a general favorite. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25.

EARLY JERSEY. Medium size and oval; flesh scarlet and of excellent flavor. Eight to ten days earlier than the Peerless and a sure cropper. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

BLACK SPANISH. Flesh red, sweet and delicious. A well-known standard sort of great excellence. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

GEORGIA RATTLESNAKE. (True.) Large and long oblong; skin very dark green; flesh red and of fine quality. A popular variety on account of its shipping qualities. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

MOUNTAIN SWEET. One of the very best for general culture; rind thin and dark green; flesh red, solid and very sweet. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

SEMINOLE. **Extra Early**—A point decidedly in its favor; this, with its other good qualities, productiveness, large size, and delicious flavor, make it a melon to be desired. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

CUBAN QUEEN. Large, productive variety. Rind of medium thickness, but sufficiently tough to stand shipping well, beautifully striped, light and dark green; flesh bright red, very crisp, sugary and solid. Pkt., 5c; oz. 10c; ¼ lb., 25c; lb., 75c

DARK ICING. Fruit round and of medium size; rind dark green, thin, but very strong; flesh deep scarlet, rich, juicy and delicious. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

LIGHT ICING. Similar to the preceding, but a light variety. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

MAMMOTH IRON CLAD. A monstrous, striped, oblong melon, having a rind of such remarkable strength and impenetrability as to render it perfectly "iron-clad;" hence the best shipper produced to date. Flesh red, sweet, tender, crisp and juicy. Heart very large. The keeping qualities of this melon are remarkable. Whether plucked or left upon the vines, they remain perfectly fresh fully one month after ripening. In addition to the foregoing facts it is the most remarkable yielder on record. Pkt., 5c oz., 10c; ¼ lb., 25c; lb., 75c.

Water Melon--Continued.

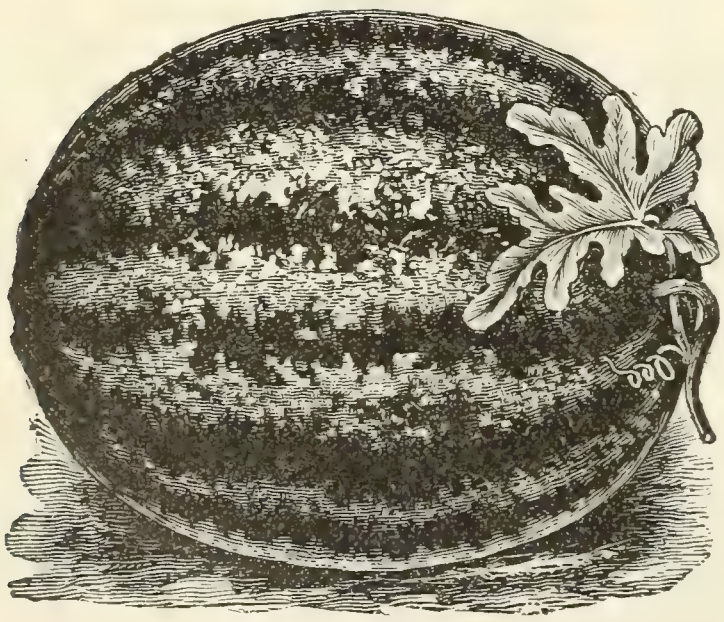
THE DIXIE.

Among the many melons of recent introduction none have so rapidly advanced in popularity as a melon for general crop, as the Dixie. It possesses the desirable qualities of a good shipper, early maturity, large size, handsome form, bright, fresh appearance, thin but firm rind, which will endure handling, and remains a long time before showing any signs of decay It is a reliable cropper, the vines grow strong, and are very hardy, resisting cold and wet to a remarkable degree. It is pronounced superior to the well known Kolb's Gem. Pkt., 10c; oz., 15c; ¼ ℔., 50c; ℔., $1.50.

RUBY GOLD

A curiosity. Remarkable for its beauty and excellent quality. Flesh pure golden-yellow, variegated with streaks and layers of bright pink. It is tender and of delightful flavor, which quality it retains a long time after ripening. Pkt., 10c; oz., 15c; ¼ ℔., 40c; ℔., $1.25.

THE PRIDE OF GEORGIA. A much better table variety than the Kolb's Gem, though not so good a shipper, owing to the exceeding thinness and tenderness of the rind. In form the melons are an oblong-oval, bearing indentations somewhat like the Musk Melon. The vines are exceedingly prolific After a thorough trial of its merits, we feel we cannot recommend it too highly to our friends desiring melons for home use, in any section of the country. Pkt., 5c; oz., 10c; ¼ ℔., 20c; ℔., 75c.



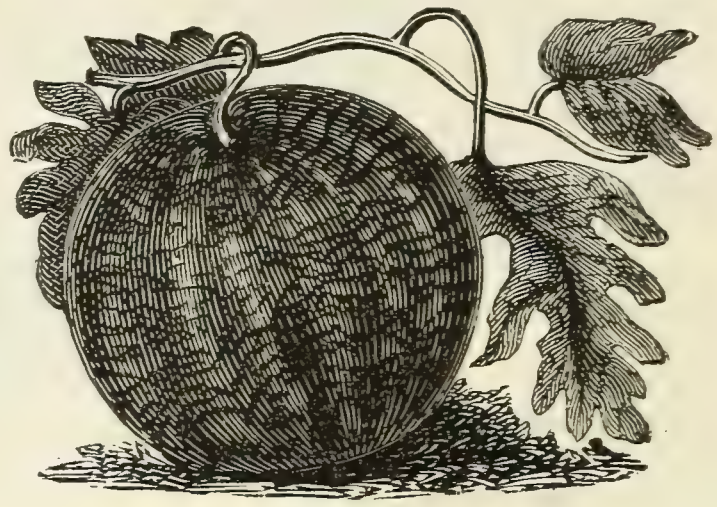
KOLB'S GEM

KOLB'S GEM. One of the most excellent of the recently introduced varieties. Of vigorous habit, productive and remarkable for its keeping qualities, retaining its freshness and flavor longer after plucking than any other known variety. Rind dark-green marbled in light, very thin, yet so firm as to bear transportation admirably. Flesh red, deliciously sweet and crisp. Weight varies from 25 to 50 pounds. Deservedly popular with melon shippers and in the market. Pkt., 5c; oz., 10c; ¼ ℔., 25c; ℔., 75c.

COLORADO PRESERVING MELON. Quite distinct from the preceding, the seeds being light-green and few in number. Flesh very firm and solid, forming beautiful transparent preserves of exceptionally fine flavor. An immensely productive variety Pkt., 5c; oz., 10c; ¼ lb., 35c; ℔., $1.10.

PEERLESS, OR ICE CREAM. Flesh red, solid to the center, sweet and delicious. Seeds white. Early, vigorous, hardy, productive, and altogether a desirable variety. Pkt., 5c; oz., 10c; ¼ ℔, 25c; ℔., 75c.

CITRON. (*Preserving Melon.*) Fruit small, perfectly round and handsome. Used for preserves, etc. Pkt., 5c; oz., 10c; ¼ ℔., 25c; ℔., 75c.



CITRON.

MUSHROOM SPAWN.

Champignon Brut, GER. Seta, SP. Champignon, FR.

1 lb. for a bed 2 by 6 feet.

Mushrooms may be grown in cellar, shed, greenhouse or hot bed under a temperature of 50 or 60 degrees. Make narrow bed, 3 to 5 feet wide, 12 to 15 inches deep, using fermented horse manure. Plant broken pieces of Spawn the size of a walnut, 6 inches apart; cover the whole with 2 inches of light soil, and protect with 3 or 4 inches of straw Moisten the bed when it becomes dry, with lukewarm water The mushrooms will begin to appear in about 6 weeks.

ENGLISH. In bricks This sort requires less care and skill to grow than the French Spawn. Per ℔ (not prepaid), 15c; 10 ℔s, $1 25. If by mail add 8 cents per pound for postage.

FRENCH. In boxes of 2 pounds, 70c per box, not prepaid; by mail, $1.00.

MUSHROOMS.

MUSSELBURG LEEK.

LEEK.

Lauch, Ger. Puerro, Sp. Poireau, Fr.

1 oz. to 150 ft. of drill.

After carefully spading and pulverizing the soil, make drills 1 foot apart and 6 or 8 inches deep. Plant seeds at the bottom of these drills. covering carefully to depth of ½ inch. When large enough to handle easily, thin to 10 inches apart in the drill. Gradually draw earth into the drills as the plants increase in size, to blanch them and subdue the flavor. The soil should be rich, but not fresh manured.

MUSSELBURG. (*Scotch Flag*). Large and hardy variety of mild flavor. Pkt., 5c; oz., 20c; ¼ lb, 55c.

LARGE AMERICAN FLAG. Quite hardy, of good quality, and forms the main crop of this country. Pkt., 5c; oz., 15c; ¼ lb, 40c; lb, $1.25.

MARTYNIA.

Gemshornpflanze, Ger.

The seed pods, prodnced in great abundance, are used when green and tender for pickling, Sow, after the soil has become warm, in hills 3 feet apart each way. Thin to one plant in the hill; or a few seeds may be sown in a hot-bed and afterward transplanted. Pick when small and preserve the same as cucumbers.

PROBOSCIDEA. Fruits large and numerous. Flowers violet. Pkt., 5c; oz., 30c; ¼ lb, $1.00.

MUSTARD.

Senf, Ger. Mootaza, Sp. Moutarde, Fr.

1 oz. sows 75 feet drill.

The young leaves are used in early spring with cress, lettuce, etc. Sow thickly in shallow drills a foot apart, and cut when a few inches high.

WHITE. Excellent for salads or garnishing. Oz., 5c; ¼ lb., 15c; lb., 35c.

BLACK, or BROWN. Leaves oblong, broad and cut. Seeds reddish brown. Oz., 5c; ¼ lb., 15c; lb., 35c.

NASTURTIUM.==Indian Cress.

Indianische Kresse, Ger. Capuchina, Sp. Capuchine, Fr.

Few ornamental plants are better known or more generally cultivated than the Nasturtium. The unexpanded flower heads, as also the seeds while young and succulent, have a warm aromatic flavor, and are picked and used as capers.

Culture.—The latter part of April, plant in drills 3 feet apart, covering the seeds to a depth of 2 inches. When cultivating for the seeds, etc., use poor light soil; when for foliage and flowers, it cannot be made too rich.

TALL ORANGE. Flowers yellow, seeds large, triangular, yellowish and numerous. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.30.

TALL CRIMSON. Similar to the preceding, but bearing red flowers. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.30.

DWARF MIXED. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.60.

OKRA, or GUMBO.

1 oz. sows 50 ft. drill.

The green pods, when quite young, are sliced and used in soups, stews, etc., to which they impart a thick, gummy consistency, and are esteemed very healthful and nutritious. May be raised in any good garden soil.

Culture. Sow the seed in April or May, in rows 3 feet apart and 2 feet apart in the row, and about 2 inches deep.

IMPROVED DWARF. A distinct early variety. Pods comparatively short but very numerous. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

WHITE VELVET. A valuable new variety, characterized by its round, smooth pods, free from ridges and seams. It is the most prolific Okra now offered, bearing 16 to 20 remarkably white pods per stalk; all well filled with tender, well-flavored fruit, rich in mucilaginous properties. Most desirable for all purposes for which Okra is used. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c.

NEW DWARF PROLIFIC OKRA.

ONION.

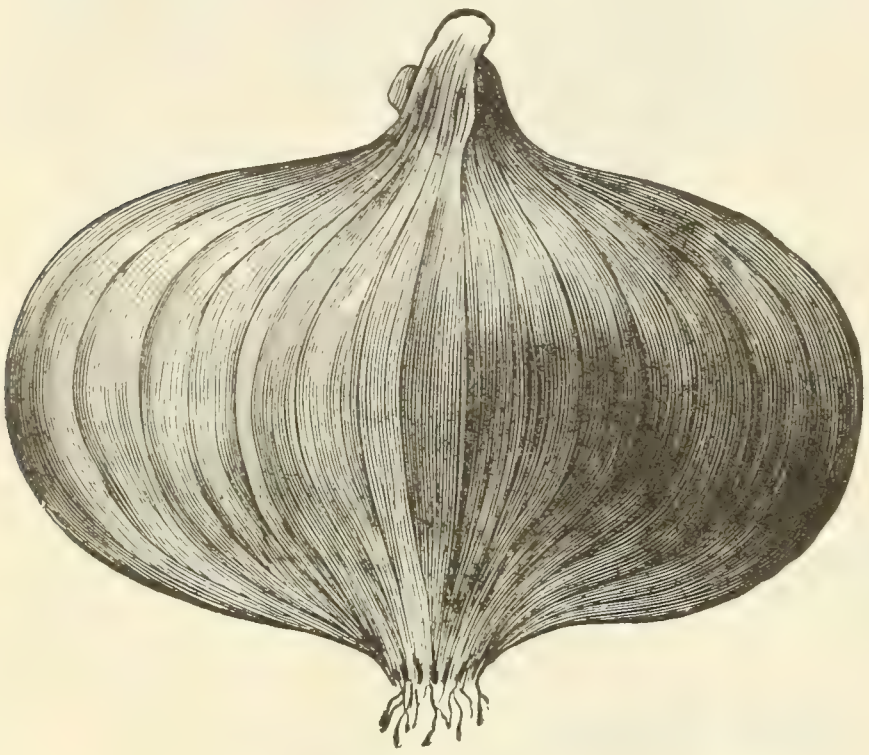
Zwiebel, GER. Cebolla, SP Ognom, FR.

1 oz. to 100 ft, drill; 6 lbs. to on acre.

We make a specialty of Onion Seeds of all varieties, and have our stocks carefully selected and grown in various localities, to meet the requirements of all sections of the country.

A rich, light, mellow loam is best to insure successful onion raising, and may be cultivated to the same crop year after year. The ground should be thoroughly enriched either with fine, decomposed manure, or ground bone, or superphosphates, and be deeply spaded or plowed, harrowed and pulverized, the surface being raked free from stones and hard lumps. In April sow about 6 pounds of seed to the acre, in rows 14 inches apart, and cover to the depth of ¾ of an inch; press the soil firmly about the seed. If the sowing be a large one, it can best be done by a machine. When the plants are 3½ to 4 inches high thin to 2 inches apart.

In the process of cultivation be careful not to stir the soil too deeply, nor to collect it about the growing bulbs. When the tops become entirely decayed, which will occur in August or early in September, rake the bulbs from the drills and leave exposed to the sun for a few days, after which they will be ready for storing or for market. The yield varies from 500 to 800 bushels per acre, according to the nature of the soil and variety used.



YELLOW DANVERS.

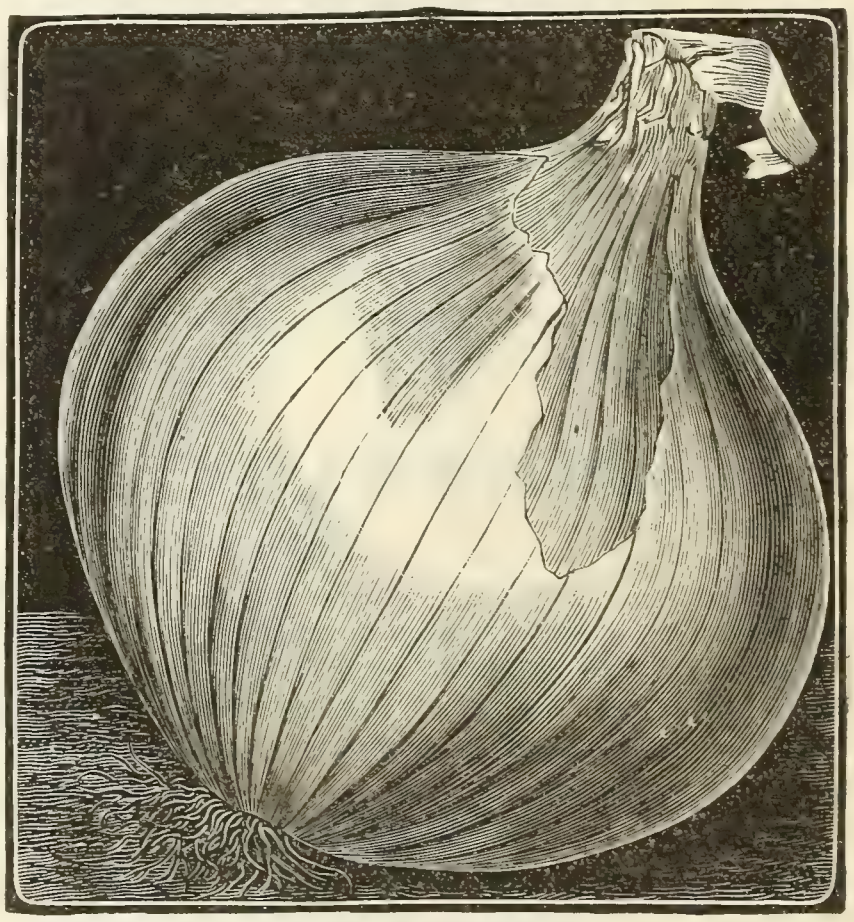
We are confident the Onion Seed we offer is equal to any and will not disappoint our customers. Strictly fresh seeds at reasonable prices.

☞ **We will be pleased to make special prices by mail when larger quantities than those quoted are desired.**

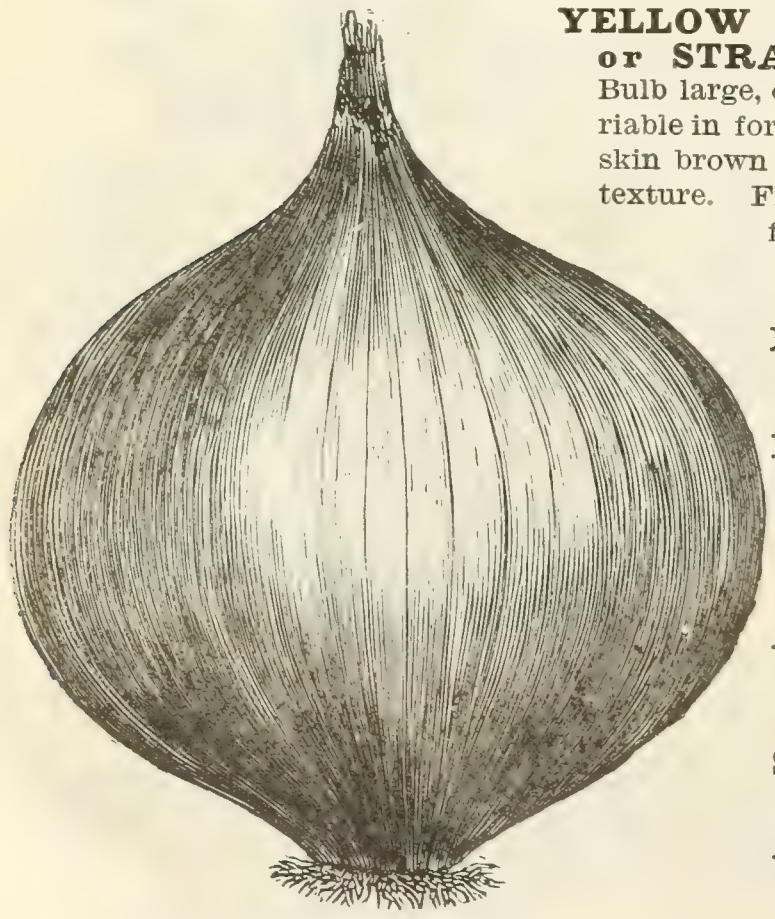
YELLOW DANVERS. Bulb of good size and flat; the standard yellow onion for market or home use, being both early and an enormous yielder, as well as a good keeper. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., $1.50.

Prize Taker Onion.

A globe-shaped variety of recent introduction, remarkable for its enormous size, many specimens reaching the weight of three and one-half pounds each. The skin is a bright straw color, flesh white, very thick and of mild flavor. Earliness, uniform shape, productiveness, and its long keeping qualities, have made the Prize Taker a valuable acquisition. *It is to-day one of the largest, handsomest and most profitable varieties grown.* Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.



PRIZE TAKER ONION



YELLOW GLOBE DANVERS

YELLOW DUTCH, or STRASBURG. Bulb large, oval and variable in form. Outside skin brown and of firm texture. Flesh, white, fine-grained, and of comparatively mild flavor. Very hardy and a good keeper. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.50.

LARGE RED WETHERSFIELD. Very productive and the best of all good keepers. Standard variety for general cultivation. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.50.

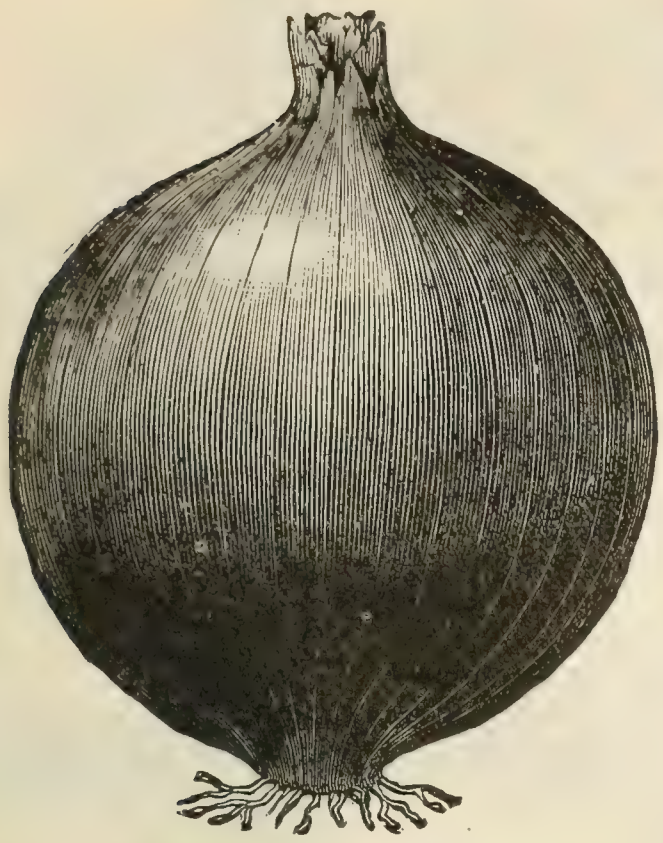
EXTRA EARLY RED FLAT. An extra early variety. It yields abundantly and is of mild flavor; medium size, deep red in color; very close-grained, solid and heavy. This will often form bulbs in cold and mucky soil, where other varieties fail. It is highly recommended, particularly for the north and northwest. Pkt. 10c; oz., 15c; ¼ lb., 45c; lb., $1.50.

YELLOW GLOBE DANVERS. A true globe in shape. Flesh white and delicately flavored; one of the best keepers and very productive. Pkt., 5c; oz., 10c; ¼ lb., 45c; lb., $1.65.

SOUTHPORT YELLOW GLOBE. A handsome globular variety of excellent flavor. Also very desirable as a good keeper. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $2.00.

WHITE PORTUGAL, or SILVER SKIN. Skin silvery-white; flesh of unusually mild flavor; very desirable for early winter use, or for pickling. Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., $3.00.

Onion.==Continued.


LARGE RED GLOBE ONION.

WHITE GLOBE. Flesh firm, fine-grained and of mild flavor. An abundant yielder and good keeper. Pkt., 5c; oz., 30c; ¼ lb., 75c; lb., $2.75.

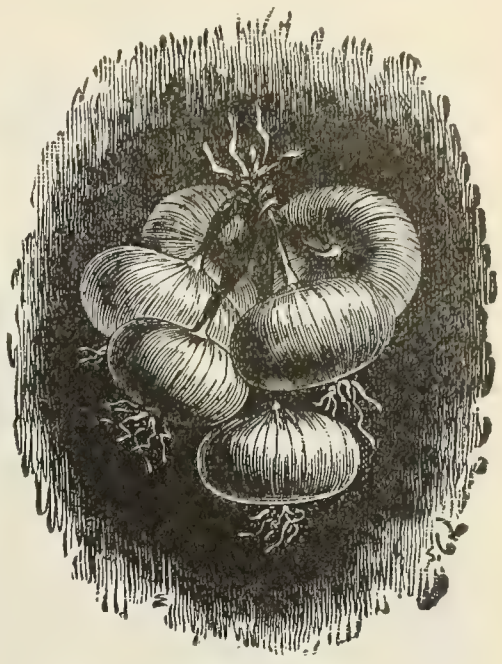
LARGE RED GLOBE. As shown in the illustration, this is a very handsome variety, and is deserving of general cultivation. It matures quite early, grows to a large size, skin deep red; flesh fine grained, mild and tender. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.60.

FOREIGN VARIETIES.

MAMMOTH SILVER KING. A beautiful silvery onion, rivaling in size and weight the Mammoth Pompeii; diameter ranging from 5 to 7 inches, and weight from 2 to 4 pounds each. Form, a depressed globe. Flesh snowy-white, delicate, sweet and tender It matures early, and is a grand desideratum for market, table, or exhibition purposes. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $3 00

Mammoth Pompeii.

Of enormous size, it has produced onions weighing four to five pounds and of fine quality. The skin is very thin and delicate in appearance, of a handsome reddish brown color; the flesh is pure white, very fine grained and remarkably mild, Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., $2.00.

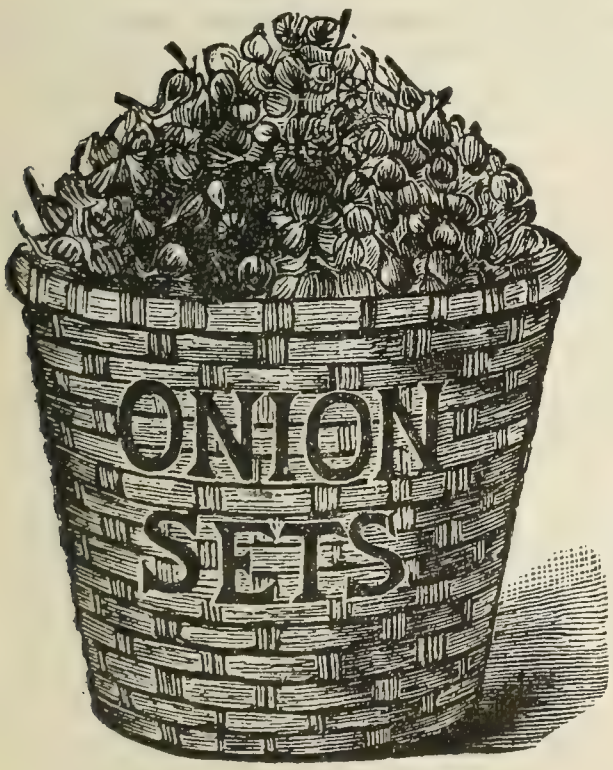

NEW QUEEN.

NEW GIANT ROCCA OF NAPLES. Flesh white, mild and delicious. The largest and handsomest brown skinned onion grown, and a most excellent keeper. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.50

BLOOD RED ITALIAN TRIPOLI (Red Ætna.) A round, flat variety of large size and rapid growth; of mild and agreeable flavor. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1 50.

FLAT WHITE ITALIAN TRIPOLI (White Ætna.) Similar to the preceding except in color. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.50.

NEW QUEEN. Bulbs very small and flat. Flesh white and of a delicate flavor Sown in February they will make onions one or two inches in diameter early in the summer. Very early and of rapid growth, and keeps the year round. Fine pickling variety. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.75.



ONION SETS.

Price per bushel given on application.

1 Quart to 100 feet drill.

Onion Sets may be planted as early in the spring as the conditions of the ground will permit, and will then produce onions in the green state by June, and will ripen in July. Set about 4 inches apart, in drills 1 foot apart.

WHITE MULTIPLIER ONION SETS. A valuable onion, pure white in color, enormously productive, hardy and of fine quality. Qt., 50c; prepaid.

	Qt., prepaid
WHITE BOTTOM SETS	35c.
YELLOW " "	30c.
RED " "	30c

	Qt., prepaid
POTATO ONIONS	45c.
TOP ONIONS	30c.

EGYPTIAN, or PERENNIAL TREE. When once set out, without having the slightest winter protection, it will come up year after year as soon as the frost breaks ground, and will grow very rapidly The young sets grow on top like Tree Onions, and can be planted in the fall. Pt., 30c; qt., 55c, prepaid.

PARSLEY.

Petersilie, GER. Pereju, SP. Persil, FR.

The seeds being given some weeks to germinate, should be planted as early in the spring as the ground is in good working condition. It is well to soak them a few hours in tepid water before sowing Sow in drills 14 inches apart and 6 inches asunder, covering to depth of one half an inch.

CHAMPION MOSS CURLED. A beautifully curled variety, resembling a tuft of moss. Highly ornamental. Pkt., 5c; oz., 10c, ¼ lb. 30c, lb., 85c.

FINE DOUBLE CURLED. Dwarf and finely curled. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

PLAIN, or SINGLE. Leaves plain and longer than the curled sorts. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

HAMBURG. Roots large and fleshy. Used for flavoring soups and stews. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

PARSNIP.

Pastinake, GER. Panais, FR.

1 oz. for 200 ft. drill; 5 or 6 lbs. per acre.

A hardy biennial of recognized value, both as a table vegetable and as an economical farm product of great value for stock food. The soil should be rich, deep, mellow, and prepared early in April Sow thickly in drills 15 inches apart and ½ inch in depth. Thin to 5 or 6 inches, and cultivate often to keep down the weeds. Frost improves the roots; it is common to leave them in the ground over winter, storing in a dry cellar only a certain quantity for winter use.

IMPROVED GUERNSEY. The roots of this improved variety are not as long as the Hollow Crown, but are of greater diameter and are more easily gathered. The flesh is fine-grained and of excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

IMPROVED HOLLOW CROWN. Roots long, smooth and handsome Our strain of this standard sort is very fine. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

LONG WHITE DUTCH SUGAR. For general cultivation. Entirely hardy, requiring no protection during winter. Pkt., 5c; oz. 10c; ¼ lb., 20c; lb., 55c.

EXTRA EARLY SHORT ROUND. Short and better for shallow soils than other sorts. Very handsome and of excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c

PEAS.

Erbsen, GER. Pois, FR.

1 qt. sows about 100 ft. drill; 1½ bu. an acre.

☞ **If by mail, or prepaid by express, add 15c. per quart to these prices.**

In choice of land, fertilizers, etc., avoid rich, sandy bottom lands, wet or mucky soil, and the use of fresh stable manure; their tendency being to produce rank vines at the expense of pods. Clay with a slight mixture of sand forms the best soil for peas; next to this, clay loam—both requiring thorough drainage and careful preparation. A crop of clover plowed under forms the best fertilizer—or an addition of decomposed leaves or vegetable mold.

For field culture sow either broadcast or in rows, allowing a space between the rows equal to the stem length of the variety planted. Those of 2½ feet and under require no support, but the tall varieties when 4 to 5 feet high should be staked, or bushed, removing all vines of straggling habit or undergrowth. Should mildew appear, water the roots copiously. For early garden crops sow early varieties soon as the ground is sufficiently warm and dry, in rows 14 inches apart, covering 1 inch in depth only For succession, either repeat the sowing later on, covering to a depth of 4 inches, or depend upon early and deep sowing of those varieties naturally succeeding each other in coming to maturity.

In selection of varieties the choice generally falls upon the wrinkled sorts; they contain a large percentage of sugar, and remain fit for use longer than the smooth kinds. Whatever the variety used however, remove the pods as fast as fit for use, as the ripening of a few pods only materially drains the strength of the vines, and both lessens the crop and injures its quality.

BARNARD'S "LEADER" PEA.--Extra Early.

Again this season we present this variety to the attention of our customers as the *earliest of the earlies.* Those who gave it a trial last year, agree with us in pronouncing it worthy of the **first place,** it proving to be all that is claimed, namely, one which combines the qualities of **extreme earliness, productiveness, good flavor** and **size, habit of maturing all nearly at the same time,** and retaining a fresh appearance considerable time after picking. The latter quality makes it an admirable variety for shipping. It comes from the hands of experts in pea-raising, and is the result of careful training and selection to produce one of the kind desired. A sort having these qualities will, we know, be highly appreciated by the market gardener, to whom a few days in early ripening is a great point, as well as by private parties who take pride in having the *best and earliest obtainable* The "LEADER" we offer as filling these essential points of an extra early pea. The vines grow about 2½ feet high, and produce handsome pods well filled with smooth round peas. *It will pay you to use this for your main crop of extra early peas* Pkt., 10c; pt., 20c; qt., 30c; pk., $1.50; bu., $5.00.

BARNARD'S LEADER.

CLEVELAND'S ALASKA. The earliest blue pea, very uniform in growth. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it a most desirable extra early pea for market gardeners. Height, 2 ft. Pkt., 5c; pt., 15c; qt., 25c; pk., $1 25; bu., $4.50

FIRST AND BEST. The high reputation of this variety is based upon its extreme earliness, evenness of growth, fullness of pod, and its habit of ripening nearly simultaneously, making itself a favorite with market gardeners enabling the ground to be cleared at once for other crops. Vines 2 to 2½ ft stocky, vigorous and very productive. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00, bu. $4 00.

HORSFORD'S MARKET GARDEN. Vines about 20 inches. A cross between the Wonder and Alpha Vines extremely prolific and require no bushing. Peas wrinkled. One of the sweetest and best early varieties in market. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., $5.00.

LAXTON'S ALPHA. Vine 2½ ft., vigorous and productive. Peas light blue and very much wrinkled; very tender and delicious. The earliest wrinkled variety Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., $5.00.

DWARF BLUE PETER, or BLUE TOM THUMB. Vines 10 to 12 inches, and immensely productive. One of the best of the early dwarf sorts. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., $4.50.

EXTRA EARLY PREMIUM GEM. Vine 12 to 15 inches. Seeds large, green, wrinkled, sugary and delicious. A marked improvement upon the Little Gem, and highly esteemed in family gardens, while for an early wrinkled Pea for market gardeners or canners, no variety is more profitable. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., $4.50.

PEAS.—Continued.

AMERICAN WONDER. The earliest wrinkled pea in existence. The vines are dwarf, ranging in height from 8 to 10 inches. Most highly recommended, especially for the family garden. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.50; bu., $6.00.

EXTRA EARLY DWARF TOM THUMB. Vines 8 to 10 inches, stout, branching and abundant yielders. A very early and desirable variety for family garden. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., 4.50.

McLEAN'S LITTLE GEM. Vines 12 to 18 inches in height. Peas green, wrinkled, very sweet and of excellent quality. The well known standard second early pea of the family garden. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.25; bu., $4.75.

PHILADELPHIA EXTRA EARLY. Vine 2½ feet. Peas smooth and excellent quality. A deservedly popular market sort. Pkt., 5c; pt., 15c; qt., 20c; pk., $1.00; bu., $3.90.

SECOND EARLY SORTS.

CARTER'S FIRST CROP. Vine 2½ feet, early and abundant in bearing. Peas smooth. Matures with sufficient evenness to require but one or two pluckings. Pkt., 5c; pt., 15c; qt., 20c; pk., $1.00; bu., $3.75.

McLEAN'S ADVANCER Vines 2½ feet and very prolific. Peas of the green, wrinkled marrow type and of exceptionally fine flavor. Pkt., 5c; pt., 15c; qt., 25c; pk., $1,00; bu., $4.00.

EARLY KENT. Vines 3 feet and productive. Peas smooth, tender, and sweet. Standard variety for market or family garden. Pkt., 5c; pt., 15c; qt., 20c; pk., 90c; bu., $3.50.

EUGENIA. Vine 2 to 2½ feet, stocky and vigorous. Peas very large, pale green—almost white, wrinkled and delicious. A desirable second early table variety for any locality. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.00; bu., $3.50.

LATE SORTS FOR GENERAL CROP.

BLISS' ABUNDANCE. Vines half dwarf (18 to 24 inches) very productive and matures evenly. Peas wrinkled, very tender and luscious. Pkt., 5c; pt., 15c, qt., 25c; pk., $1.20; bu., $4.50.

EVERBEARING. Vine 2 to 2½ feet and remarkably prolific. Pods 3 to 4 inches in length, containing 6 to 8 rich, marrowy and sugary wrinkled peas of rare excellence. As indicated by the name, it is almost a perpetual bearer. A second early, requiring thin planting. Pkt., 5c; pt., 15c; qt., 25c; pk., $1.20; bu., $4.50.

YORKSHIRE HERO. Vines 2½ feet in height and abundant yielders. Pods long, round and well filled with very large, delicious, green wrinkled peas of extra fine quality. A magnificent variety that for a later or main crop has few equals; also excellent for canning purposes. Pkt., 5c; pt., 15c; qt 25c; pk., $1.10, bu., $4.00.

TELEPHONE. Vine 3 feet; vigorous and productive. Pods very large and compactly filled with handsome peas. A superior wrinkled Marrowfat for exhibition purposes, also for family garden. Pkt., 10c; pt., 15c; qt., 30c; pk., $1.25; bu., $5.00.

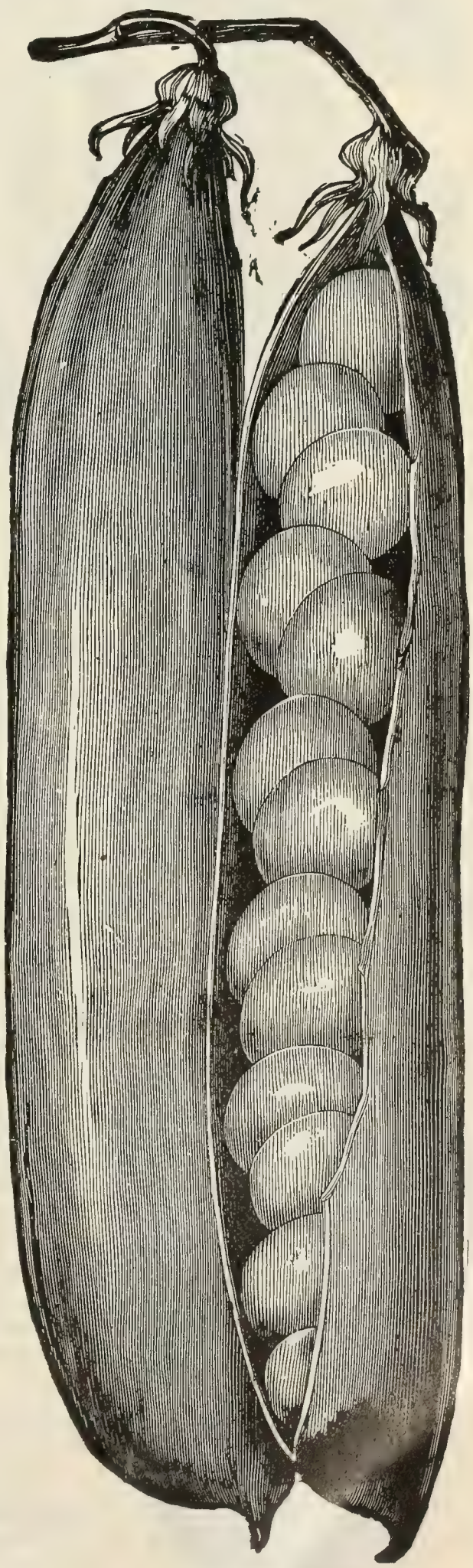
LONG ISLAND MAMMOTH. Vine of vigorous growth and a most abundant yielder. Pods large, peas of excellent quality. Matures earlier than the Champion of England. Market Gardeners will find this a profitable late variety. Pkt., 10c; pt., 15c; qt., 25c; pk., $1.50; bu., $5.50.

ROYAL DWARF WHITE MARROWFAT. The best white marrowfat pea, of *distinct type* and rare excellence, as has been proved by thorough trial. The vines are from 18 to 20 inches only, vigorous and wonderfully prolific. Pods are long, large, *borne on the top of the vines* and compactly filled with 5 to 6 handsome, green, indented peas of delicious flavor. The peas at maturity have a shade of chalky whiteness. Pkt., 10c; qt., 25c; pk., 75c; bu., $2.75.

LARGE BLACK-EYED MARROWFAT. Like the preceding this variety is largely cultivated as a late summer field crop. Pkt., 5c; pt., 15c; qt., 20c; pk., 75c; bu., $2.50.

CHAMPION OF ENGLAND. Vines 4 to 5 feet and resemble the Marrowfat in point of habit and vigor. Peas large, pale green, much wrinkled and of richest flavor. A standard late variety, adapted to the requirements of amateur and professional gardeners. Pkt., 5c; qt., 20c; pk., $1.00; bu.,$3.75.

LARGE BLUE IMPERIAL. Vine 2½ to 3 feet and prolific. Late variety in high favor with market gardeners both North and South. Requires early planting. Pkt., 5c; pt., 15c; qt., 20c; pk., $1.00; bu., $3.50.



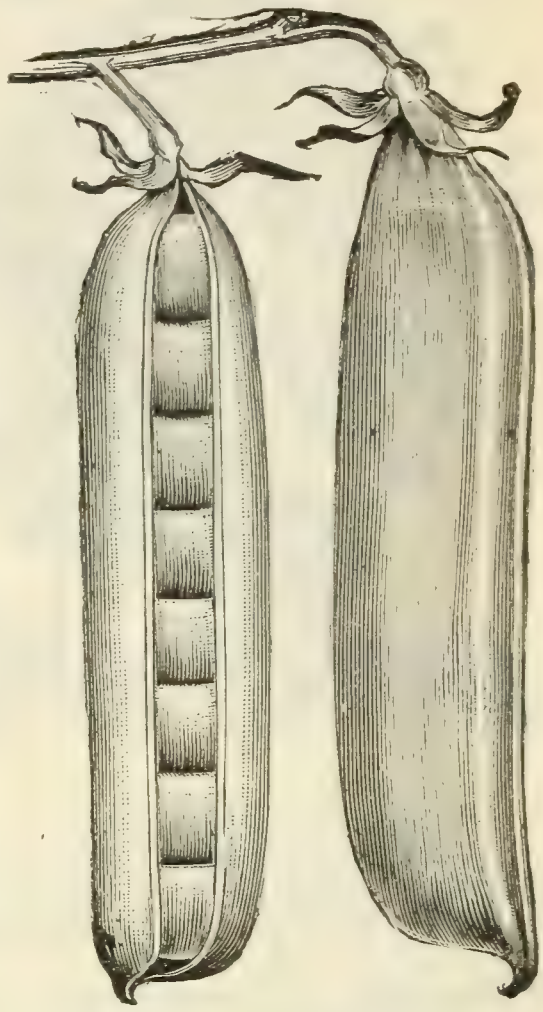
TELEPHONE PEA.

PEAS.—Continued.

STRATAGEM PEA.

STRATAGEM. It is a most remarkable wrinkled Marrow, and for a second crop has no equal. The vines are hardy and productive, bearing pods of excellent shape and color, well-filled with choice handsome peas of richest flavor. The vines attain a height of 1½ to 2 feet according to the nature of the soil used. Pkt., 10c; qt., 30c; pk., $1.75; bu., $6.50.

PRIDE OF THE MARKET. Vines 18 to 24 inches. Pods large, dark green, borne at the top, generally in pairs, and well filled with large peas of fine flavor, very popular market sort. Pkt., 10c; pt., 20c; qt., 30c; pk., $1.50; bu., $6.00.



PRIDE OF THE MARKET.

EDIBLE PODDED PEAS.

TALL SUGAR. Height 5 ft. Both pods and seeds very sweet and tender. Designed to be eaten with the pods as snap beans. Pkt., 10c; qt., 30c; pk., $1.50.

EARLY DWARF SUGAR Very early and desirable. Pkt., 10c; qt., 30c; pk., $1.50.

FIELD SORTS.

We solicit correspondence from all who are in need of larger quantities than here quoted.

NO. 1 CANADA FIELD. Qt., 10c; bu., $1.25.
GOLDEN VINE. Qt., 15c; bu., $1.50.
COMMON BLUE. Qt., 15c; bu., $1.50.
BLUE PRUSSIAN. Qt., 20c; bu., $2.00.

PEPPER.

Pfeffer, Ger, Pimebt, Fr,
1 oz. to 2000 plants.

The pods form an important ingredient in all pickles, seasonings, etc.

Culture.—Warm, mellow soil, well fertilized should be used. For forcing, sow early in April in hot-bed, in drills 6 inches apart, and at the commencement of summer weather, transplant to open ground about 16 inches apart each way. For ordinary family garden, sow in open ground in drills 14 in. apart and ¾ of an inch deep, thinning later on to 10 inches in a row.

NEW MAMMOTH GOLDEN QUEEN. A very handsome, large, productive variety, about double the size of the Golden Dawn, very uniform and perfect in shape. The flavor is so mild that they are readily eaten with vinegar like tomatoes. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $4.00.

RUBY KING PEPPER.

GOLDEN DAWN. A handsome new and distinct variety, having a delicate flavor, the entire fruit being sweet. A highly ornamental variety. Pkt., 5c; oz., 25c; ¼ lb., 90c; lb., $3.00.

RUBY KING. The fruit when ripe is of an exquisite ruby color, of large size, length 4½ to 6 in., diameter 3½ to 4 in. In point of mildness and delicacy of flavor it is unequalled by any save the Golden queen. The plants have a sturdy, bushy habit and are exceedingly prolific. Pkt., 10c; oz., 30c; ¼ lb $1.00; lb., $3.50.

CAYENNE. Flesh intensely pungent. A favorite—either green or ripe—for pickles, Chili sauce, etc. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., $2.50.

GOLDEN DAWN PEPPER.

Pepper.—Continued.

CELESTIAL PEPPER. The plant begins to set its peppers early in the season and continues until frost, branching freely and bearing profusely. The peppers up to the time they are fully grown are of a delicate creamy yellow color, then changing to an intense vivid scarlet, making a plant when loaded with fruit, part of one color and part of the other, an object of the most striking beauty and oddity. The peppers are two to three inches long, of superior quality, and of a clear sharp flavor. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., $2.50.

OX HEART. A very productive variety, excellent for pickling. Fruit medium sized and heart shaped. Pkt., 5c; oz., 30c; ¼ lb., 80c; lb., $3.00.

LARGE BELL or BULL NOSE. Pods large, color red. Very early and fine for pickling. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., $2.50.

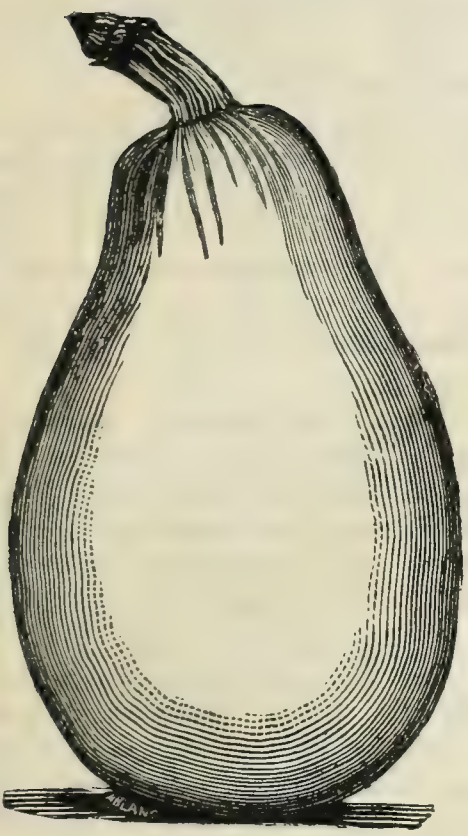
SWEET MOUNTAIN or MAMMOTH. Fruit often 8 inches in length by 2 inches in diameter. Skin smooth and at maturity a rich red color. Fine for stuffing as mangoes. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., $2.50

CHERRY RED. An ornamental dwarf. Fruit small, globular, rich glossy scarlet in color. Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., $3.00.

PUMPKINS.

Kuerbis, GER. Calabza, SP. Patiron, FR.

One oz. to 15 hills.



TENNESSEE OR SWEET POTATO PUMPKIN.

The table varieties named below, are marked improvements upon the original sorts, being very fine-grained and of superior flavor. CULTURE. They are usually planted in corn or potato fields, the seeds being planted with corn or potatoes. A crop may very profitably be raised by itself, however, in which case plant early in May, in hills 6 to 8 feet apart. Keep them away from other vines.

TENNESSEE, or SWEET POTATO. Shell pear-shaped, slightly ribbed, creamy white, and sometimes faintly striped with green. Flesh creamy, thick, of unusually fine grain, dry and of superior flavor. Very productive and keeps until late in spring. Pkt., 5c; oz., 15c; ¼ lb., 30; lb., $1.00.

LARGE CHEESE. Fruit large. Flesh thick, yellow, fine grained and sweet. Hardy, remarkably productive and quite superior for cooking purposes to most of the field sorts. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

JAPANESE PUMPKIN. Recommended for its superior qualities and fine flavor when cooked. The flesh is a rich salmon color, very thick, nearly solid, unusually fine-grained and when cooked or stewed is almost as dry as a sweet potato. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., $1.25.

MAMMOTH or TRUE POTIRON. A mammoth variety attaining a weight of 200 pounds and upwards; three feet or more in diameter. Skin salmon colored, flesh bright yellow, fine-grained and of good quality. Pkt., 5c; oz., 25c; ¼ lb., 50c; lb., $1.75.

SWEET or SUGAR. Fruit quite small and round. A very prolific variety and superior for pies or table use. The skin is a deep orange yellow, an excellent keeper. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

CASHAW. Specimens weigh from 70 to 100 pounds. Flesh salmon colored, thick and of fine quality. Productive, and a good keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

CONNECTICUT FIELD. A very prolific sort. Chiefly grown because of its value for stock feeding. lb., 30c; bu., $3.50.

SPINACH.

Spinat, GER. Espinaca, SP. Epinard, FR.

One oz. for 100 feet of drill; 10 to 12 lbs. in drills per acre.

Sow for main crop in September, in rich soil, and protect during the winter with hay or straw. For summer use start in April, sowing in intervals of 2 to 3 weeks for succession until August. *Write for special prices on larger quantities.*

BLOOMSDALE, or NORFOLK SAVOY LEAVED. Leaves numerous, large, wrinkled, thick, succulent and of superior quality Very hardy. Oz., 5c; ¼lb , 15c; lb., 35c.

LONG STANDING. Leave large, thick. Plant slow to seed A valuable variety for market gardeners. Oz., 5c; ¼ lb., 15c; lb., 35c.

THICK LEAVED ROUND. An excellent standard variety for early spring sowing. Oz., 5c; ¼ lb 15c; lb., 30c; 5 to 10 lbs., 15c. per lb., not prepaid.

PRICKLY SEEDED; WINTER. The hardiest of all and designed for fall sowing. Oz., 5c; ¼ lb., 15c; lb., 35c.

TETRAGONIA or NEW ZEALAND. Makes a large plant and should be sown in hills 2 to 3 feet apart each way, 3 or 4 seeds in a hill. It will stand heat and can be cut all summer. Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., $1.00.

SALSIFY, or Oyster Plant.

(VEGETABLE OYSTER.)

Haferwurzel, GER. Salsifi blanco, SP. Salsifis, FR.

Cultivated chiefly for its parsnip-shaped roots, which have an oyster like flavor and prove relishable prepared in various ways, as for soup, salads, etc., or simply boiled and served plain. The young flower stocks of the second year form an excellent dish prepared as asparagus, which they closely resemble in flavor.

Soil and culture should be the same as for Parsnips, taking pains to make sowings as early as practicable each spring. The roots are entirely hardy and may remain in open ground all winter for direct table supplies, though a few should be stored in earth in the cellar, for use whenever outside roots prove unattainable.

NEW BLUE FLOWERED FRENCH. Fine large variety, smooth and of excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.10.

MAMMOTH SANDWICH ISLAND. A highly recommended and desirable variety of large size. Pkt., 5c; oz., 20c; ¼ lb., 40c; lb., $1.50.

SEED POTATOES.

Kartoffel, GER Potata, SP. Pomme de terre, FR.

6 to 10 bu. per acre.

(NOT PREPAID AT PRICES QUOTED BARRELS CONTAIN 2¾ BUSHELS EACH.)

The first essential to the production of handsome, healthy tubers, is a new, light, dry soil, the natural good qualities of which prove its own best fertilizer. Ashes, lime, plaster, bone dust, decomposed leaves and other fertilizers of a dry nature are best when necessary to use any. Plant as early in the spring as ground can be made ready in hills 3 to 4 feet apart and about 3 inches deep. The quality of potatoes is improved by a change of seed stock. The stock we offer is northern grown, all carefully selected for seed purposes.

June Eating.

EXTRA EARLY. Of remarkably quick and vigorous growth. It produces tubers of large size, handsome appearance, skin white, clouded with a purple tint, flesh white, matures very early; excelling all others as an extra early market sort. It is a sure cropper of compact and uniform habit of growth, withstands drought and disease unusually well. It cooks light and floury, equal to the Snowflake. Pk 40c; bu., $1 40; bbl., $3.50.

Rural New Yorker, No. 2.

This valuable potato originated on the experimental grounds of the Rural New Yorker. It is of distinct appearance, large and of uniform size, in form oblong, skin smooth, white, with few and shallow eyes, of most excellent table qualities Its vigorous habit of growth enables it to resist disease to a remarkable degree. It is of recent introduction but has already proved itself worthy of the high recommendations given it. Per ℔ . 35c; 3℔s. 90c, postpaid. Pk , 75c; bu.. $2.00; bbl. $4.50, not prepaid.

Ohio Junior.

Similar in form of habit of growth to the well-known Early Ohio. The potato is oblong, round at the seed end, with full eyes that are almost even with the surface An excellent keeper very productive, of fine quality it is a valuable extra early variety. Pk.. 50c; bu. $1.40; bbl., $3.50.

The Polaris.

A new seedling originally from Vermont; highly recommended for earliness, yield and quality. They are rather oblong in shape with surface a little flattened; having few eyes and those on the surface. Skin is creamy-white in color, flesh fine-grained and of excellent flavor. Pk. 50c; bu.. $1 50; bbl. $3.75

THE THORBURN. One of the finest of the new varieties of early potatoes A seedling of the Beauty of Hebron, which it resembles Its superior qualities, extreme earliness, productiveness, fine table quality handsome, smooth appearance all combine to make it a valuable potato for the market or home garden Pk 50c; bu. $1 50; bbl., $3.50.

EARLY BEAUTY OF HEBRON. Extra early and productive. Skin smooth, white, sometimes pink-tinted, but becomes quite white in winter. Tuber of good size, white, solid and of delicate flavor; an excellent keeper. Pk., 40c; bu., $1.25; bbl., $3.00.

EARLY ROSE. Early. From this many of the newer good sorts have originated. It is too well-known to need description. Our stock is true and good. Pk., 40c; bu., $1.25; bbl., $3.00.

EARLY OHIO. Extra early. First early in maturing. Tubers nearly round, slightly oblong in form. Though not so large a cropper as some, it is several days earlier and more productive than the Early Rose. A very desirable market potato. Pk., 40c; bu., $1.25; bbl., $3.00.

PEARL OF SAVOY. Extra early Flesh pure white and very mealy; very productive; vigorous habit and not liable to disease. Pk., 40c; bu., $1.25; bbl., $3.00.

CLARK'S NO. 1. Extra early Tubers oblong, fair and of good size; skin white, with a faint flesh tint; flesh white, mealy and of excellent flavor. Pk.. 40c; bu., $1.25; bbl., $3.00.

EMPIRE STATE. Skin smooth and white. Flesh also pure white, of fine flavor and cooks evenly. The tubers form compactly in the hill and are easily dug. Fine for main crop Pk., 40c; bu.. $1.25; bbl., $3.00

CROWN JEWEL. It is a seedling of the Early Ohio. It is a reliable cropper and extraordinarily productive. It is pronounced by competent judges to be of the finest table quality, both baked and boiled. The Crown Jewel is a strikingly beautiful potato; skin white and smooth; eyes shallow but strong; flesh pure white and floury cooking evenly throughout. In our trial of potatoes none have proved more satisfactory than the *Crown Jewel*. Pk 50c bu.. $1.50; bbl., $3.50.

WHITE STAR. Second early. Productive A good keeper and excellent quality. Pk., 40c; bu $1.25; bbl., $3.00.

BURBANK'S SEEDLING. Standard sort; white skinned, large size, fine quality Brings the highest market price. Pk., 40c; bu.. $1.25; bbl., $3.00.

THE SUMMIT. Seedling of the Early Rose, buff skin, oblong shape, somewhat flattened, good sized eyes, nearly even with the surface, and medium as to number White fleshed, fine-grained, dry and mealy; flavor No 1 It is a medium or late variety; vines vigorous and strong, which enables it to resist the ravages of drought and insects to a remarkable degree. Immensely productive. Pk., 50c; bu.. $1.50; bbl. $3 50.

WHITE ELEPHANT. Late. The largest of all potatoes; yields enormous crops of *solid* tubers, which seem to have the extremely valuable characteristics of resisting disease, remaining sound until late the following season. Tubers large and long; skin white and smooth, slightly reddish about the eyes; flesh white, of good flavor. Pk., 40c; bu., $1 25; bbl , $3.00.

GREEN MOUNTAIN. A very large white-fleshed, fine grained variety; cooks dry and mealy. Remarkable for its immense yield, which it is claimed equals that of any other variety in cultivation. It is of superior table quality and a good keeper. Matures late. Pk. 50c; bu., $1.50; bbl.. $3.50.

SWEET POTATOES.

Choice stock grown and selected for seed purposes
Please order early, giving date you wish them shipped.
Prices changeable; write for lowest market quotations in barrel lots

EXTRA EARLY CAROLINA.

This variety matures very early, therefore is especially adapted to northern sections. Its handsome appearance; bright yellow color and great productiveness make it desirable for general cultivation. Choice seed stock packed carefully in boxes or barrels. Pk., 60c; bu , $1.75; bbl., $4.50.

YELLOW NANSEMOND. Standard variety for main crop; good keeper and of fine flavor. Pk., 50c; bu., $1.50; bbl., $3.50.

RED NANSEMOND. Differs from the preceding only in color. Pk., 50c; bu., $1.50; bbl.. $3.50.

YELLOW JERSEY. The potato is shorter and thicker than the Nansemond but otherwise similar. Pk., 50c; bu., $1.50; bbl., $3.50.

RED BERMUDA. Early variety of light red color; abundant yielder. Pk., 50c; bu., $1.50; bbl., $3.50.

RADISH.

Rettig, Radieschen, GER. Rabans, SP. Radis, FR.

(When larger quantities than those quoted are required write for special prices.)

1 oz. to 100 ft. drill; 9 or 10 lbs. per acre in drills.

The growth must be rapid to insure those qualities upon which the Radish depends for excellence, viz: crispness, succulence and mildness of flavor. A fine, dry, sandy loam, enriched and made light with well-rotted manure and a liberal dressing of salt is best adapted to the purpose, all heavy soils producing directly the opposite results from those desired.

EARLY SCARLET TURNIP, WHITE TIP.

CULTURE.—For early crops, prepare gentle hot-beds in February, covering with loam to a depth of 8 inches for the long-rooted and of 4 inches for the turnip-rooted varieties. Select the early sorts and sow immediately in drills 6 inches apart and ½ inch deep, thinning to 2 inches—watering sparingly—allowing free ventilation to prevent running to leaves, and in severe weather protecting the sashes with matting or carpeting at night. For open air culture of the early varieties, sow early as the ground is workable, in drills one foot apart, thinning to 2 or 3 inches. Use invariably when young and brittle. For succession, sow every 10 to 15 days.

The late winter crops may be planted from middle of July to middle of August; thinning 4 to 6 inches apart, and, in dry weather, watering often and copiously. Harvest before frost and pack in earth in a dry cellar, The roots should be plunged in cold water for an hour or so before using.

Early Scarlet Turnip, White Tip.

(Rosy Gem.) With Chicago gardeners, this is by far the most popular early Radish, or for planting in succession. Tops and roots both small, skin bright scarlet, shaded to white at the tip; flesh white, mild and crisp. An ornamental variety of quick growth, desirable for forcing. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

EARLIEST CARMINE OLIVE. A new, distinct and beautiful variety of great forcing value. The roots are crisp and tender, much larger than those of the turnip sorts, while the tops are far smaller. A most valuable variety for the enterprising market gardener. Pkt. 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Ne Plus Ultra.

This is one of the finest forcing radishes introduced, and has already taken a leading place with our market gardeners. It will mature in 18 to 20 days, and owing to the extremely small tops can be sown very thickly. The roots are round with a deep scarlet colored skin, the flesh white, very crisp and tender. Pkt.,5c; oz., 10c; ¼ lb.,25c; lb., 75c.

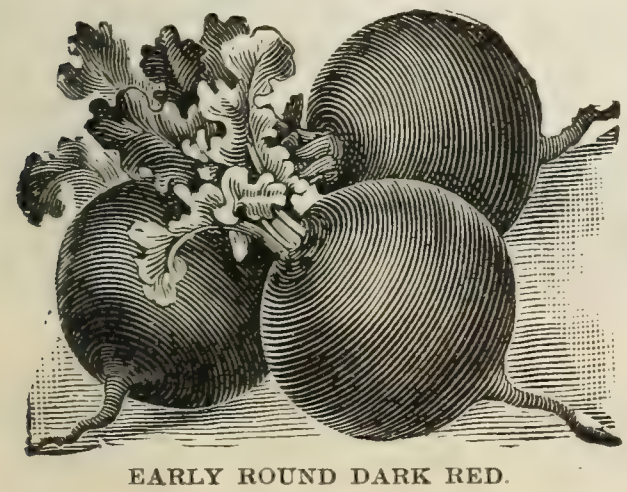
Early Scarlet Prussian Globe.

A small-leaved variety well adapted for forcing under glass; root round and carmine colored, maturing in 18 days; very attractive and desirable, fine for forcing. A new color and very choice. Every gardener should have it. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.00.

EARLY SCARLET TURNIP. Roots small, round and red-skinned; flesh white, very tender and of delicate flavor. Of quick growth, and desirable for general use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

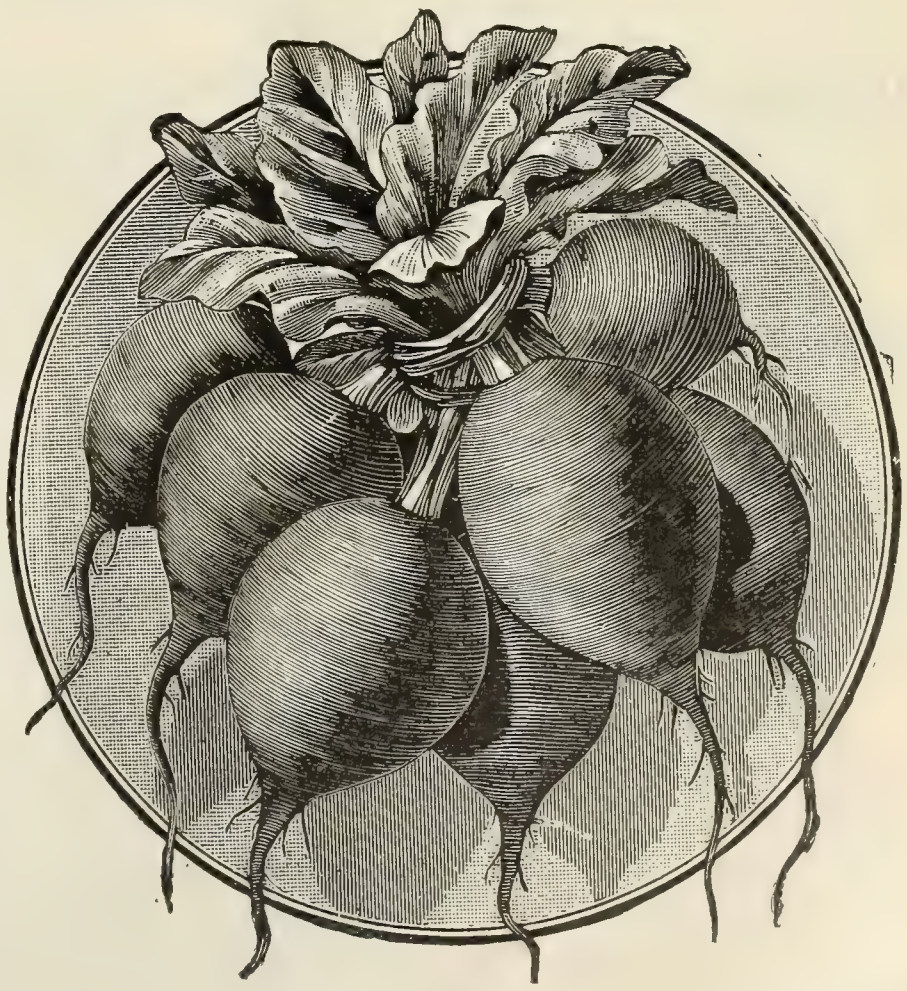
IMPROVED LONG SCARLET (Short Top). Top small; root 6 to 9 inches, straight, smooth, growing half above ground; skin brilliant scarlet; flesh white, crisp. The leading long, standard variety for market and family garden. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb. 55c.

EARLY ROUND DARK RED. The shape is the same as the Early Scarlet Turnip. It differs in color, being an exquisite rich, deep shade that it is at once rare and strikingly handsome, and makes very much smaller tops. On this account it is now very largely used for forcing in both frame and green-houses. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.


EARLY ROUND DARK RED.

Scarlet Globe.

Of rare and distinct merit, whether grown for forcing or for open air culture; of mild flavor, tender, and remains unusually long without becoming pithy. Pkt., 5c; oz , 10c; ¼ lb., 25c; lb., 75c.

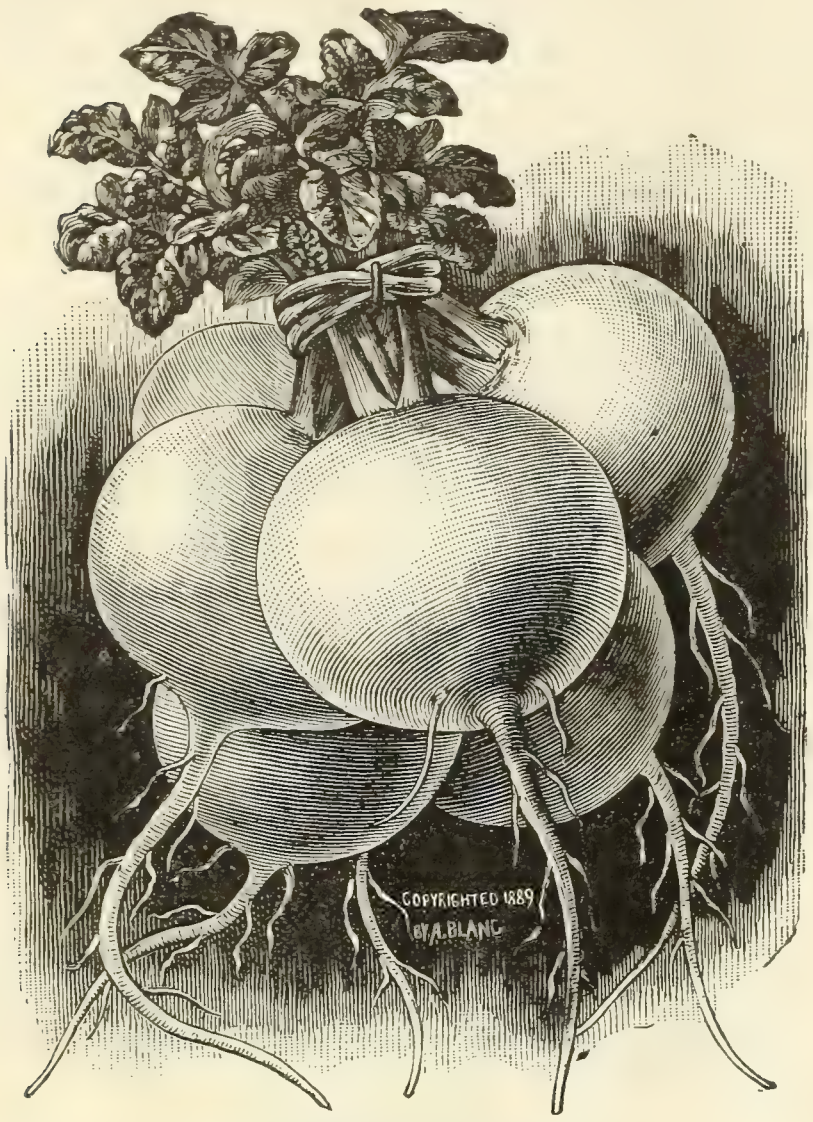

SCARLET GLOBE.

EARLY WHITE TURNIP. Roots small, round; skin and flesh pure white, of quick growth and very fine flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 55c.

WOOD'S EARLY FRAME. A crisp, mild-flavored variety of the long scarlet type, eminently adapted to forcing or early market. Fully *ten days earlier than the Long Scarlet.* Pkt., 5c; oz. 10c; ¼ lb., 20c; lb., 55c.

RADISH.—Continued.

PHILADELPHIA WHITE "BOX." Its points of superiority are remarkably short top, rapid growth, perfect turnip shape, extra fine quality, and showing no disposition whatever to become pithy with age; but, on the contrary, remains solid and juicy long after fully grown. Its short top and rapid growth especially fits it for growing under glass, in frames or "boxes," (hence its name) as well as early sowing on squares or borders in the open ground. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



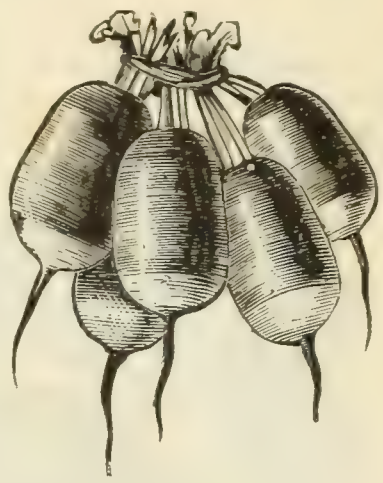
PHILADELPHIA WHITE BOX.

IMPROVED CHARTIER, (White Tip). A long and unusually large variety; distinct and desirable. The upper portion of the radish is bright crimson, pink at the center, the tip a pure waxy white. In quality and flavor it is tender, sweet and mild. It is quite free from "pithiness," even when well advanced in the season. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

GOLDEN GLOBE. Root a perfect globe in form and enclosed in a beautiful golden-colored skin; flesh tender and of excellent quality. Of rapid growth, producing highly ornamental specimens, crisp and finely flavored even in the hottest latitude, hence a great favorite in the South. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

YELLOW SUMMER TURNIP. A large variety, but of rapid growth, quite remarkable for its heat-resisting characteristics. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

FRENCH BREAKFAST. Skin scarlet on the body and white at the extremity; flesh white, tender and mild. Of rapid growth, and desirable for any use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 55c.



FRENCH BREAKFAST.

LONG WHITE VIENNA. (Lady Finger.) This is undoubtedly the most perfect long white radish in cultivation. It is of very rapid growth, and its fine, white flesh is remarkably crisp, brittle and tender. In shape it is most attractive and handsome. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

LONG WHITE NAPLES. Skin and flesh pure white, fine grain, tender and finely flavored. Good for summer and fall use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

GIANT WHITE STUTTGART. Root very large, heart-shaped, and of vigorous, quick growth; maturing in five weeks; skin and flesh white, the latter constantly brittle and mild, flavored at all stages of development. Remarkably slow in running to seed, even in severest heat. Pkt,, 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

ROSE, OLIVE SHAPED. Skin rose-colored; flesh rose-tinted, tender and of excellent flavor. Very early. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

WHITE, OLIVE SHAPED. Similar to above, except in color, as the name indicates. Pkt,, 5c; oz,, 10c; ¼ lb., 20c; lb., 60c.

WHITE STRASBURG. An excellent summer variety, being tender, crisp and a fine grower, and remains in a tender condition longer than any other summer sort. It is of handsome, half long, tapering shape; both skin and flesh are pure white. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

LATE, OR AUTUMN AND WINTER SORTS.

CHINESE ROSE. Form large and conical. Flesh firm, tender and of fine piquant flavor. A fine winter and also early spring variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.

CHINESE WHITE. Of fine grain and good flavor. Similar to above, except in color. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

LONG BLACK SPANISH. Black skin. Flesh white, firm and of excellent flavor. One of the hardiest and finest either for winter or summer use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

ROUND BLACK SPANISH. Similar to above except in form. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

RHUBARB, or PIE PLANT.

Rhabarber, Ger. Rhubarbe, Fr.

A hardy perennial, cultivated for its acid leaf stalks. which are used for pies, tarts, sauces, canning, etc.

Sow the seed in April, in drills 1 foot apart and 1 inch deep, thinning to 8 inches. The following fall or spring transplant, to trenches 2½ feet deep, 3 feet apart, and 3 to 5 feet apart in the trench, according to the variety. Propagation by division of the roots may be made either in spring or fall, placing the sets at the same distance apart as that recommended for the seedlings. Cultivate thoroughly thereafter, breaking down the flower stalks to prevent their flourishing at the expense of the leaf stalks. Cover with manure each fall to be spaded in the following spring. A few of the finest leaf stalks may be used not too early in the second season; but from the third year, with good care, gatherings may be made with entire freedom for 10 to 15 years. In removing, be careful to pull off close to the roots instead of cutting, as the sap flows more freely from a square cut.

VICTORIA. Leaf stalks very tall and large, frequently weighing 2 pounds each. Skin thick and red-stained. Pulp quite acid. Very productive and profitable for market gardeners. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.50.

LINNÆUS. The earliest variety grown, and quite desirable for small market or family garden. Pkt., 5c; oz., 15c: ¼ lb., 40c; lb., $1.50.

RHUBARB ROOTS.

VICTORIA. Of good size, 15c each, (not prepaid); per dozen, $1.50; by mail, 40c each.

SQUASH.

Speise-Kuerbis, GER. Calabaza, SP. Courge, FR.

1 oz. for 50 hills; 4 to 6 lbs. per acre in drills.

To secure good crops a warm, rich soil is necessary; preferably a fertile, light, sandy loam. Place the hills 8 feet apart for the running sorts and 4 feet apart for the bush varieties, mixing thoroughly with the soil of each hill several shovelfuls of well-rotted stable manure or thoroughly composted night soil. It is useless to plant until the soil has become well warmed; plant 8 to 10 seeds in each hill and cover one inch deep, thinning, when all danger from insects is passed, to 3 or 4 plants per hill. Summer Squashes are unfit for use after the skin has become too tough to yield readily to the thumb nail, while the winter varieties need to remain on the vines until just before frost in order to ripen thoroughly.

SUMMER GOLDEN CROOKNECK. Bright yellow, warted skin. Flesh greenish yellow, dry and of a most agreeable flavor, rendering it the most highly esteemed of the summer sorts. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

SUMMER GOLDEN CROOKNECK.

EARLY WHITE BUSH SCOLLOP. An early variety; skin white and tender when ready for use generally becoming shell like towards maturity Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c

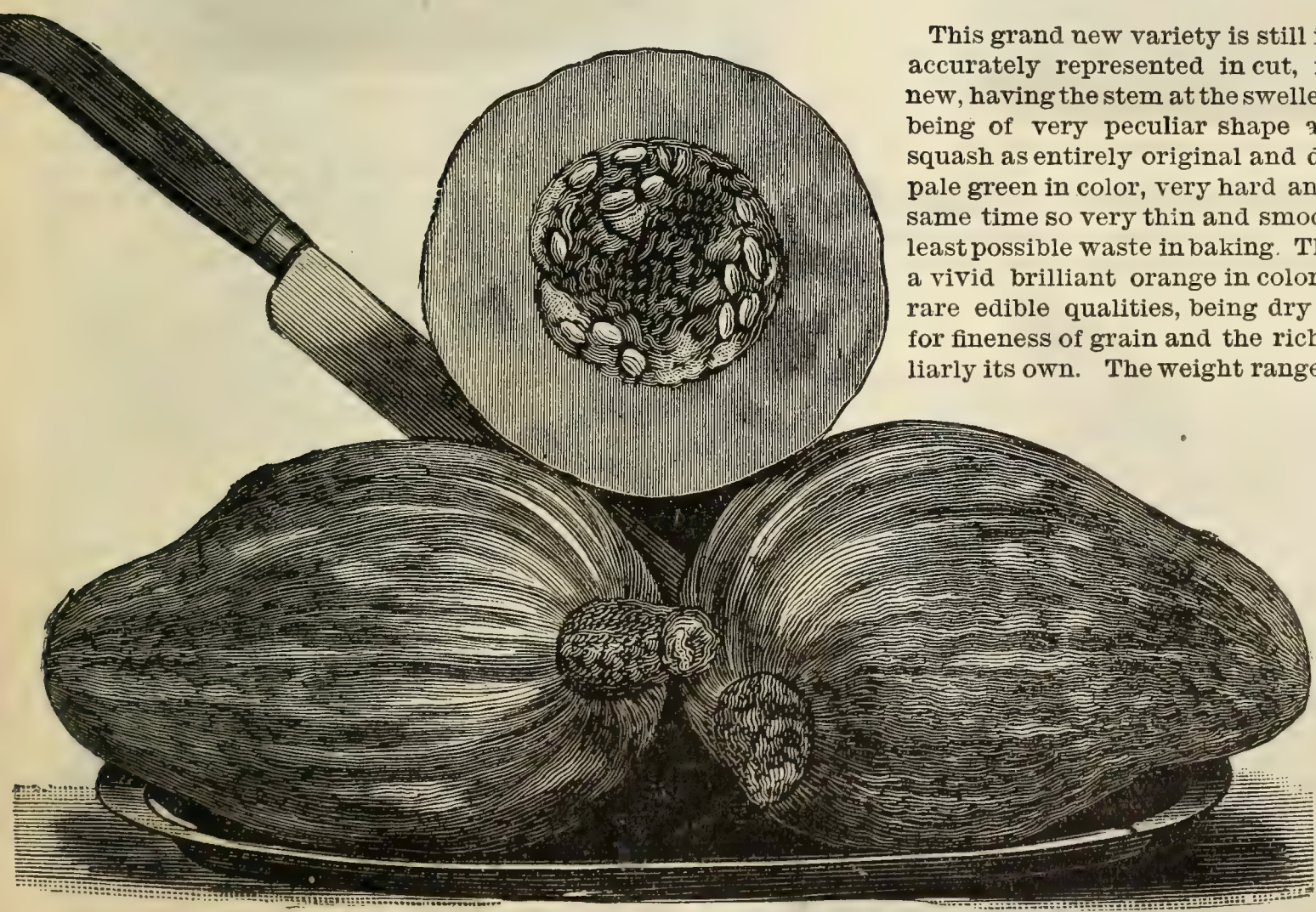
EARLY YELLOW BUSH SCOLLOP. Similar to preceding except in color and some slight superiority in texture. Both are excellent summer varieties, and proving fine shippers, are held in high esteem by market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

WHITE BUSH SCALLOP.

FORDHOOK.

A most valuable new variety, extremely handsome in appearance of a bright yellow outside and straw yellow within The flesh is dry and sweet and unsurpassed in quality. Its keeping qualities are astonishing, placed in a cool, dry room it will keep in perfect condition throughout the winter and spring, until late in June. The stem and roots are thin and hard, consequently it is perfectly free from the attacks of the Squash Borer. It is a strong and rapid grower, matures very early therefore can be grown in northern latitudes where other varieties will not ripen. The meat is very thick, seed cavity small, skin thin and delicate. Another feature is that the green squashes can be used at any stage of their growth and in flavor are superior to any summer squash. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50.

THE SIBLEY SQUASH.



THE SIBLEY SQUASH

This grand new variety is still in the lead. The form accurately represented in cut, is obviously entirely new, having the stem at the swelled end. The seed alone being of very peculiar shape and color, brands the squash as entirely original and distinct. The shell is pale green in color, very hard and flinty, being at the same time so very thin and smooth as to occasion the least possible waste in baking. The flesh is solid, thick, a vivid brilliant orange in color, and is possessed of rare edible qualities, being dry and really wonderful for fineness of grain and the rich delicate flavor peculiarly its own. The weight ranges from 8 to 11 pounds. The vine is remarkably vigorous and ripens its fruit simltaneously with the Hubbard, though the quality is considerably improved by being housed a few weeks. In point of prolificacy the New Sibley Squash has decidedly the advantage of either the Hubbard or the Marblehead. It moreover ripens its fruit so evenly that nearly the whole crop may be gathered at one picking. As a keeper it excels all; remaining in a good, dry cellar perfectly sound until the last of March constantly improving in flavor and quality to the very last. The hardiness and flintiness of the shell render the Sibley Squash one of the finest shippers in existence—the longer the distance, the better the edible qualities, as it naturally improves with age. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

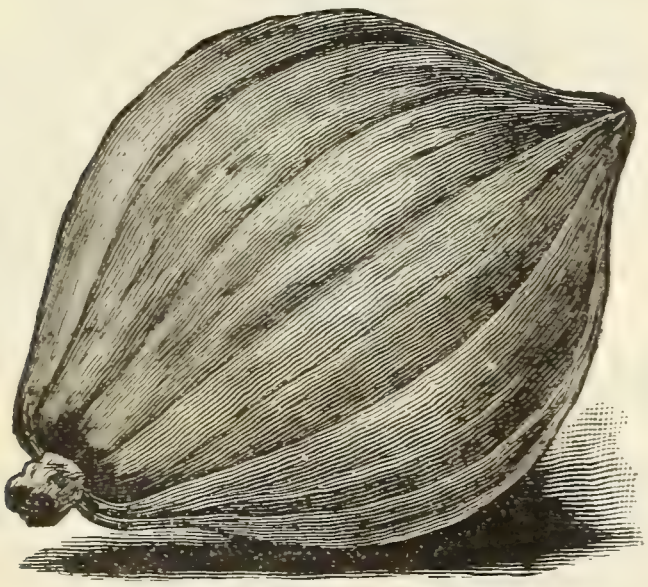
SQUASH.—Continued.

THE WARREN. A new and improved type of the Essex Hybrid. The shell is generally harder and thicker than that sort and the color is richer and the quality decidedly better Pkt., 5c; oz., 10; ¼ lb., 25c; lb., 85c.

HUBBARD.

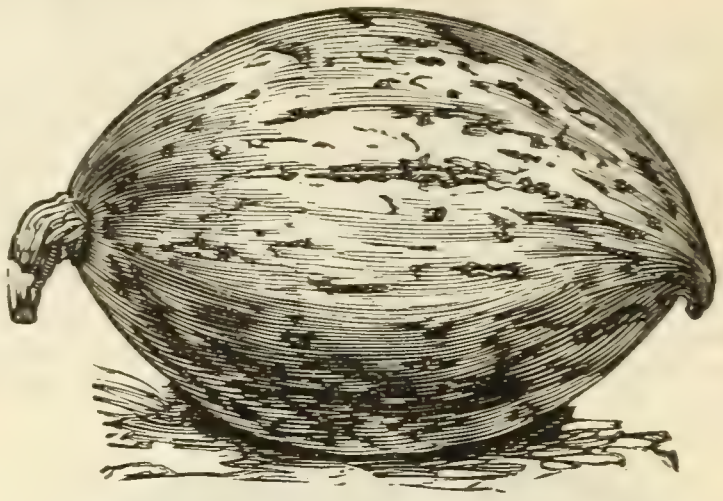
HUBBARD (SELECTED). The standard variety for winter use. Ours is a carefully guarded and selected strain. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

BOSTON MARROW. Vines long and moderately vigorous. Skin very thin and tender, cream-colored at maturity, changing to red later on. Flesh salmon-colored, dry, fine grained, and of superior sugary flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



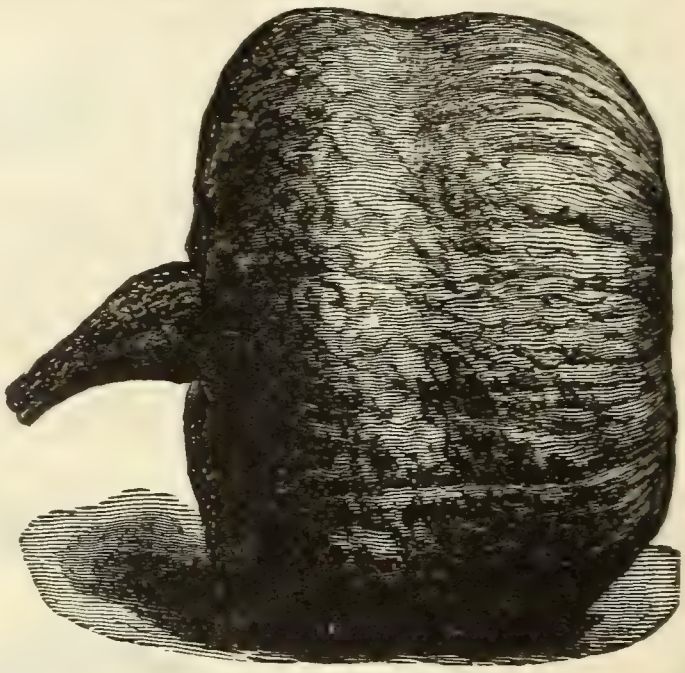
DUNLAP PROLIFIC ORANGE MARROW.

DUNLAP PROLIFIC ORANGE MARROW, (*Extra Early.*) Excels the Boston Marrow in earliness, productiveness and good-keeping qualities. It is of medium size and has a dry, rich, orange colored flesh of fine grain. Being of quick growth, it is exceedingly desirable to follow extra crops, ripening in season for fall use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.



MARBLEHEAD.

MARBLEHEAD. In form and size, similar to the Hubbard, but the more flinty shell renders it still a better keeper even than that excellent variety. Skin light bluish grey. Flesh light yellow, dry, sweet and delicious. A remarkably prolific and highly esteemed variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



ESSEX HYBRID.

ESSEX HYBRID. One of the richest and sweetest flavored squashes grown. The flesh is very thick, solid and orange-colored. The extreme quickness of growth renders it an admirable selection for a second crop, to follow early vegetables, such as cabbage, potatoes, peas, etc. An excellent "keeper." Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

BAY STATE.

BAY STATE. The shell, a bluish-green in color, is exceedingly hard and flinty, rendering it the best of "keepers." The flesh is a beautiful golden yellow, solid, dry and mealy, of delicate and exquisite flavor. It is a wonderfully prolific variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

MAMMOTH CHILI. Vines large, spreading and bearing enormously large, round fruit, some specimens attaining a weight of 250 pounds. Flesh very thick, yellow and exceedingly nutritious. Specially recommended for exhibition purposes and stock feeding. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

WINTER CROOKNECK. Vines very long, hardy, vigorous, productive, and sure to mature their crops nicely. Flesh salmon-colored and usually solid, sweet and of good flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

PERFECT GEM. Wonderfully prolific; fruit round, 4 to 6 inches in diameter, and borne in clusters. Flesh cream-colored, dry, sweet and rich. Exceedingly desirable either as a summer or winter variety. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

TOMATO:

Liebesapfel, GER. Tomates, Sp. Tomate, FR.

1 oz. to 1500 plants; ¼ lb. to transplant per acre.

It thrives best in a light, warm soil, not too highly enriched, and depends for highest excellence upon vigorous, unchecked growth in the early stages. CULTURE.—For early crops sow in hotbed, greenhouse, or inside the window or sitting room where the temperature does not fall below 65 degrees, in February or March; transplanting—to secure stockiness—when 3 inches high, to pots, cold frames, or other parts of the bed, and about 5 inches apart. After all danger of frost is over, transplant finally to open ground, 4 to 6 feet apart, according to variety used. In the home garden a cheap trellis, made by driving three light stakes around the plant and encircling them with barrel-hoops or stout strings on which the vines are trained, secures a good yield. Earliness may be promoted by pruning off excessive growth.

Thorburn's Long Keeper.

Originated by E. G. Carman, editor of the *Rural New Yorker*, who writes of it as follows. "About thirteen years ago I raised all the kinds of Tomatoes popular at that time. Six of each were selected the same day, of apparently the same stage of maturity, and of a bright red color, as well as of the largest size and shapeliest form. These were kept in a darkened room until all were more or less decayed. From the last one to decay I selected seeds, which were planted the next year. Careful selections have been made every year since, always with a view to increasing their long-keeping qualities, uniformity in shape earliness in ripening, as well as the productiveness of the vines." This is the origin of this Tomato which has been named "Thorburn's Long-Keeper," and which is now offered to the public for the first time. Pkt., 10c; oz., 40c; ¼ lb., $1.00; lb., $4.00.

ATLANTIC PRIZE.

The Very Earliest of all Tomatoes. A most valuable early market variety. The vines grow strong, stiff and very rapidly, setting the crown fruit when quite young, the buds appearing before the plant is 4 inches high. The fruit is borne in immense clusters. Each vine producing from sixty to eighty large perfect fruits, very solid and of the finest quality, being unusually free from core and seeds. Another great feature, besides extreme earliness, about this wonderful tomato, and one which must prove of great advantage to all tomato growers and market gardeners, is that when first fruiting it ripens more evenly and abundantly than any other tomato grown. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50

THE LORILLARD.

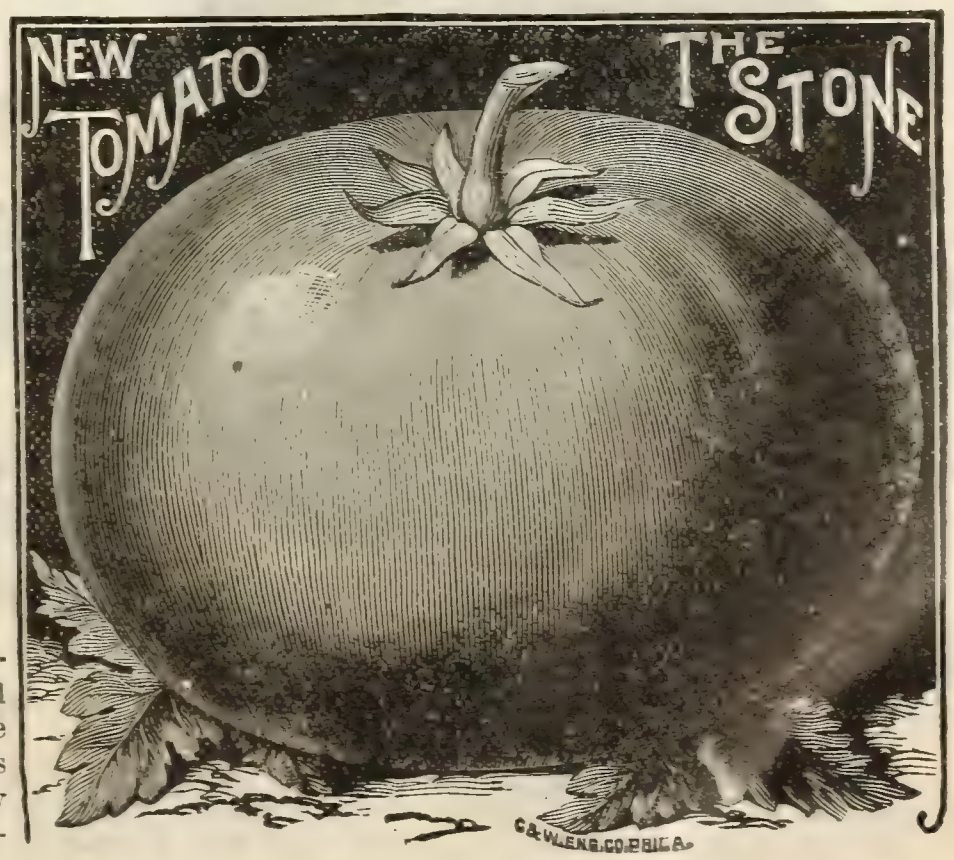
It is thus described by the originator, John G. Gardiner: It sets freely with four and five fruits to a bunch, all equal and of good size, and the color, which is vermillion scarlet, gives it great value. The shape is a plumpy-round, not quite so flat as that of Perfection, smooth and a clean cut, and when very far advanced in maturity takes on a bluish tint. As a variety for forcing under glass, it is without a rival in the important features of prolificacy, color, flavor and solidity. Last winter I grew from 300 ten-inch pots, each containing one gallon of pure loam *seven thousand five hundred pounds of fruit*, being an average of 25 pounds to a plant, all of fine marketable size, firm and handsome. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

IGNOTUM.

A large, solid, deep red variety, prolific and of good quality; one of the finest if not the best market variety grown. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

NEW STONE.

It ripens for main crop; is very large, and of bright scarlet color; very smooth, with occasionally a specimen very slightly octagon shaped; ripening evenly to the stem without a crack; exceedingly solid and firm fleshed, (as its name indicates); is an excellent shipper; quality the very best; fine for canning; a good keeper, without hard core; not subject to rot, its apapearance on market remarkably attractive, a heavy variety; its vines and foliage rank and robust, heavily loaded with very uniform specimens of fruit. For 5 years this tomato has been subjected to the most careful testing and we have found it to possess several superior qualities and distinct characteristics. We believe it to be the coming tomato for market gardeners and canners. Pkt., 10c; oz., 30; ¼ lb, 85c; lb., $3.00.



TOMATO.—Continued.

"VOLUNTEER," NEW. Of recent introduction and proving of real merit. This tomato has been procured by crossing Trophy and Canada Victor, and the result of that crossing, with Perfection. Combining their good qualities without retaining any of their objectionable features. Large size averaging 6 to 10 ounces, round, very smooth and perfect in form, color bright red. No core, very early, and when first fruiting ripening more abundantly than any other sort, a great advantage to market gardeners. Quality very superior for table use and canning. Enormously productive, ripening well to the stem. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.50.

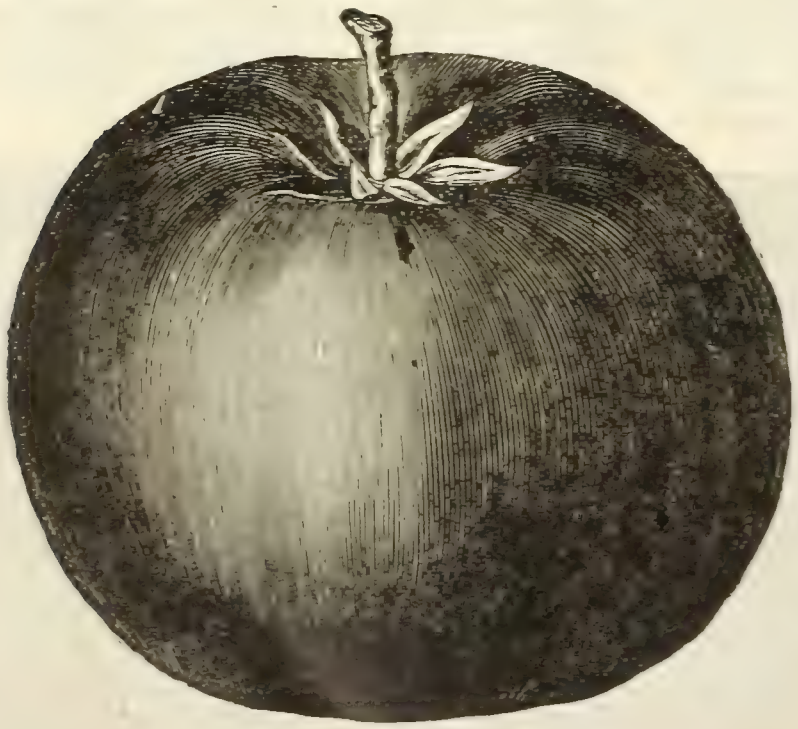
NEW GOLDEN QUEEN. A fine new yellow sort of first-class quality. It is solid, very smooth, free from ridges, large in size, ripens up evenly, and is a very handsome sort; by far the most beautiful yellow variety ever sent out. The larger and riper fruits are frequently tinged with red at the blossom end; none is better for preserving or slicing, the handsome golden yellow slices make a beautiful contrast in a dish with red tomatoes. It has very little acid and the quality is excellent. *Try it.* Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

NEW PEACH. The fruit resembles a peach so much in size, shape and color, that people are often deceived by it. It even has the bloom or fuzz of the peach, which is found on no other tomato. The fruit has a sweet pleasant flavor and is good eaten out of the hand like a peach. The fruit is not large or solid enough to make it a good variety for market or canning. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.00.

STRAWBERRY. (Winter or Ground Cherry.) This distinct husk tomato is unequaled for canning, preserving and pies. Dried in sugar as Raisins or Figs, or to use in fruit cake they are unexcelled. They are a handsome golden color—the size of large cherries, enormously productive, and will keep (if left in husks) all winter They have a strawberry flavor, and many esteem them fully equal to that fruit to eat out of hand. This tomato is indispensable where fruit is scarce or likely to fail. Extra selected seed. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., $2.50.

LIVINGSTON'S BEAUTY. Vines are vigorous, and bear the fruit in clusters of smooth, firm tomatoes of rich crimson coloring; medium early. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., $2.25.

SELECTED TROPHY. Vines of medium size, and prolific, producing their fruit in clusters; fruit bright red, large, smooth, solid, and of good flavor. We offer our own improved strain of this magnificent Tomato. Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., $2.25.



IMPROVED ACME.

IMPROVED STRAIN OF ACME. Vines large, producing abundantly in clusters of 4 or 5 until frost. Fruit purplish pink, invariably round, smooth and without cracks. Flesh solid and of fine flavor. Being a good shipper it has become a great favorite of market as well as private gardeners. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.00.

OPTIMUS. The fruit is uniform in size and is borne in clusters of 3 to 5 handsome Tomatoes of a bright red color. The flesh is rather of a crimson shade, solid and free from blemishes. It is a very early and desirable variety, either for the home or market garden. Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., $2.25.

DWARF CHAMPION. New variety of upright growth, holding the fruit from the ground; extra early, very productive; fruit in form and color like Acme. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., $2.50.

MIKADO.

MIKADO, or TURNER'S HYBRID. A mammoth, purplish-red variety, bearing large clusters of solid Tomatoes weighing 1 to 1½ pounds each. It is desirable either for slicing or cooking. Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., $2.50.

FAVORITE. A large, early, perfect-shaped Tomato. Prolific and a good shipper. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.00.

PERFECTION. One of the largest early varieties. Fine for canning. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.00.

PARAGON. Fruit large, round, solid, ripening up evenly and becoming a rich crimson sometimes tinged with purple. Flesh thick and of fine flavor. Desirable for canning. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.00.

ESSEX HYBRID. A remarkably productive variety, resembling the Acme in appearance, but that they are larger and darker colored. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.00.

HATHAWAY'S EXCELSIOR. Fruit dark and rich in color, uniformly round, smooth and of fine flavor. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb. $2.00.

CARDINAL. Vines vigorous and covered with brilliant cardinal red fruit of smooth, handsome shape and excellent flavor, ripening very evenly. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., $2.50.

LARGE SMOOTH RED. A vigorous and productive variety of which we have selected stocks. Fruit medium sized, oval, crimson, and of good flavor. Pkt., 5c; oz., 20c; ¼ lb. 60c; lb., $2.00.

YELLOW PLUM OR PEAR. Recommended especially for pickles or preserves. Fruit uniformly oval, lemon-colored and smooth-skinned. Pkt., 5c; oz., 25c.

RED CHERRY. Also a fine pickling and preserving variety. Fruit round, red and size of a cherry. Pkt., 5c; oz., 25c.

LARGE YELLOW. Has a fine, distinct flavor and quality that makes it superb for preserves. Pkt., 5c; oz., 20c; ¼ lb., 60c.

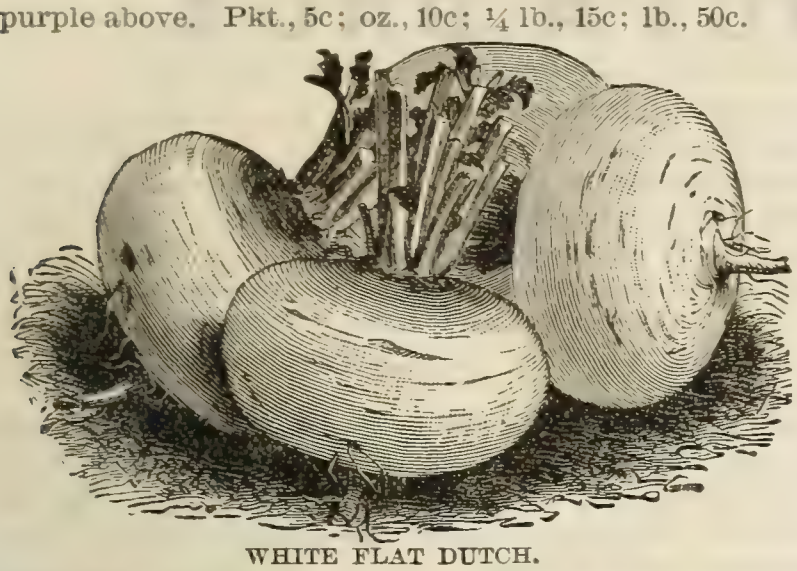
TURNIP.

Weiße Rueben, Ger. Nabo, Sp. Navet, Fr.

1 oz. for 150 ft. of drill; 1 to 2 lbs. in drills per acre.

The best soil is a *new*, light, rich loam, entirely free from fresh manure. Sowing for summer use should be made very early in the spring: for fall or main crop from middle of July to middle of August. The small varieties may be sown broadcast if the ground be free from weeds. In the case of the large sorts, however, greater yields and better results in every way will be derived from drill sowing. Make drills 14 inches apart, ½ inch deep, and when of sufficient size thin the roots to 5 or 6 inches distant. For succession, sow at intervals of a fortnight. Sow if possible just before a rain.

EXTRA EARLY PURPLE TOP MUNICH. An extra early flat turnip, white skinned below ground and purple above. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.



WHITE FLAT DUTCH.

EARLY WHITE FLAT DUTCH. Bulb of medium size and flat. Skin pure white. One of the surest croppers of the early garden sorts. Pkt. 5c; oz., 10c; ¼ lb., 20c., lb., 45c.

WHITE SIX WEEKS OR SNOWBALL. Bulb of medium size and spherical Skin white and smooth. Immature flesh, fine-grained, tender and sweet. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

EXTRA EARLY PURPLE TOP MILAN.

EXTRA EARLY PURPLE TOP MILAN. A splendid new Strap-leaved variety that is ready for use fully two weeks earlier than the Purple Top Strap-leaved, and one week ahead of the Purple Top Munich. The bulb is of medium size, quite flat, smooth and has a bright fresh purple top. The flesh is pure white, solid, fine-grained and of the choicest quality Pkt.. 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

PRIZE PURPLE TOP STRAP LEAF. Tops small, bulb mostly above ground, of medium size and flat. Skin white below the surface and clear bright purple above. Flesh white, sugary and remarkably well flavored. Very early, hardy and prolific. The leading standard, purely American variety. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

WHITE EGG. Tops small and rough-leaved. Bulb oblong and produced mostly out of ground. Skin pure white and perfectly smooth. Flesh firm, very sweet and mild. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

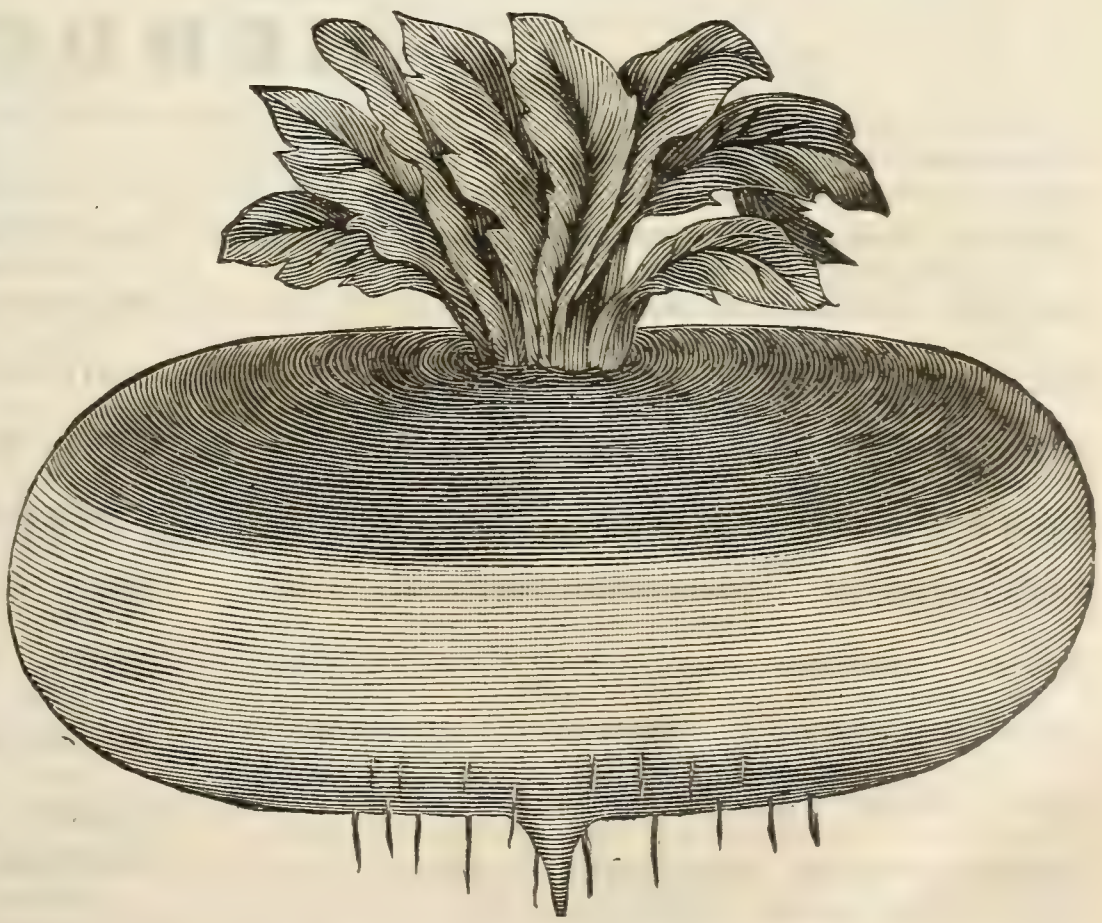
PURPLE TOP WHITE GLOBE. The name of this most excellent variety affords for it a very accurate description. It is an early and a heavy cropper as well as a good keeper. The bulb is a very handsome globe, and is especially in demand among market gardeners. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

WHITE STRAP LEAF. A sub variety of the Purple Top Strap Leaf, from which it differs mainly in the coloring of the skin. Early, productive, of excellent quality and recommended either for field or garden culture. Pkt., 5c; oz., 10c; ¼ lb., 20c, lb., 50c.

POMERANIAN WHITE GLOBE. A large and most perfect globe in shape; skin white and smooth. Of strong growth and one of the most productive varieties. Valuable for both table and stock. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

EARLY YELLOW MONTMAGNY.

EARLY YELLOW MONTMAGNY. This is by far the handsomest of the yellow fleshed varieties; being a fine golden, purple-topped, oval bulb of medium size. The flesh also is golden-hued, sweet, tender and fine grained. It is a favorite early variety that is becoming more popular with each succeeding year. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



PRIZE PURPLE TOP STRAP LEAF.

TURNIP.—Continued.

WHITE FLAT NORFOLK. Bulb round, flat. Flesh white, sweet and excellent for stock feeding. A late variety, often attaining extraordinary size. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

LONG RED TANKARD. Root large, tapering, and produced half above ground. Skin white below, purple above. Flesh white, firm, sweet and of good flavor. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

PURPLE TOP YELLOW ABERDEEN. Root round and tapering. Flesh pale yellow, tender, sugary and of superior flavor. A hardy and productive standard variety. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 45c.

YELLOW STONE. Flesh yellow, very sweet and delicate; but growing more above ground. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

WHITE SWEET RUSSIAN.

RUTA BAGA.

Kohlrabi, Ger, Col Nabo, Sp. Chou Navet, Fr.

The Swedes are really preferable for stock feeding, on account of their superior nutritive as well as better keeping qualities. Some of the finest are desirable and popular for table use, also. The ground should be dry and thoroughly enriched. The sowing at the North may be made from the middle of June to the middle of July; at the South in the fall. Space the drills 20 inches apart, and thin 10 to 12 inches distant. For preservation the roots may be packed in barrels in the cellar and covered with sand or turf, or placed in dry pits, underneath a thick coating of dry straw the whole earthed over to a depth of some 10 inches.

AMERICAN PURPLE TOP. Tops very small. Bulbs large, having few if any roots. Skin deep purple above, bright yellow underneath. Flesh golden yellow, of fine texture, sweet and of richest flavor. Very hardy, unusually productive, and a good keeper, the principal variety being desirable for table use or stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

SKIRVING'S PURPLE TOP. Flesh yellow, solid and sweet. A good keeper. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

LAING'S IMPROVED PURPLE TOP. Leaves cabbage-like and large. Bulb nearly round. Skin smooth, yellow below and purple above. Flesh yellow, solid and of fine flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

WHITE SWEET RUSSIAN. Bulb enormous. Flesh white, solid and rich in sugar. The best keeper of all the Swedes, and deservedly popular for both table and stock. Pkt., 5c; oz., 10c; ¼ lb. 15c; lb., 50c.

TOBACCO.

Caback, Ger. Tabaco, Sp. Tabac, Fr.

Rich, sandy loam produces the best quality of leaf; heavy, new soils and green manures producing coarse leaf, which burns badly. Wood ashes and commercial potash fertilizers are the best for tobacco. The seed bed must be very light; it is well to burn a brush heap upon it some months before seeding.

PRIMUS. The very earliest variety grown and one that succeeds well in Canada and the far North, where few kinds will ripen. Entirely new, choice, very productive. Leaves large, fibers fine, and texture silky. Pkt., 10c; oz., 30c; ¼ lb., $1.00.

CONNECTICUT SEED LEAF. Perhaps the variety best adapted to the climate of the Middle and Northern States, being comparatively hardy. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.00

IMPORTED HAVANA. Best of all for the manufacture of cigars, but inclined to deteriorate; hence the necessity of renewing the seed each year. Ours is a superior strain of Cuban grown stocks. Pkt., 10c; oz., 50c; ¼ lb., $1.50.

HERBS.

Herbs, in general delight in a mellow, fine soil. Sow early in spring, in shallow drills, thinning at a proper time to a few inches apart. Care should be taken to harvest in a dry state. Cut on a clear warm day, when not quite in full bloom, and dry quickly in a secure, shady place. When ready pack closely in well-seasoned boxes or vessels, and keep excluded from air.

ANISE. (**Pimpinenlla anisum**). Used for cordials, also for garnishing and seasoning Pkt., 5c; oz., 10c.

BALM. (**Melissa officinalis.**) For balm tea or wine for fevers. Pkt., 5c; oz., 20c.

BASIL, SWEET. (**Ocymum basilicum.**) For seasoning. Pkt., 5c; oz., 25c.

BORAGE. (**Borago officinalis.**) For flavoring. Excellent for bee pasture. Pkt., 5c; oz., 20c;

CARAWAY. (**Carum carvi.**) Used in pastry, confectionery, etc. Pkt., 5c; oz., 10c.

CORIANDER. (**Coriandum sativum.**) Pkt., 5c; oz., 10c.

DILL. (**Anethum graveolens.**) Used in making pickles. Pkt., 5c; oz., 10c.

FENNEL, SWEET. (**Anethum fœniculum.**) Ornamental leaves. Pkt., 5c; oz., 20c.

HOP SEED. (**Humulus nupulus.**) Pkt., 20c; oz., $1.50.

HOREHOUND. (**Marrubium vulgare.**) For making cough remedies. Pkt., 5c; oz., 30c.

HYSSOP. (**Hyssopus officinalis.**) Pkt., 5c; oz., 30c.

SAFFRON. (**Carthamus tinctorius.**) Pkt., 5c; oz., 15c.

LAVENDER. (**Lavandula vera.**) Aromatic medicinal herb. Pkt., 5c; oz., 20c.

MARJORAM, SWEET. (**Origanum Majorana.**) Desirable for seasoning. Pkt., 5c; oz., 20c.

OPIUM POPPY. (**Papaver somniferum.**) Pkt., 5c. oz., 30c.

POT MARIGOLD. (**Calendula officinalis.**) Pkt., 5c; oz., 25c.

ROSEMARY. (**Rosemarinus officinalis.**) Pkt., 5c; oz., 30c.

RUE. (**Ruta graveolens.**) Medicinal herb. Good for croup in fowls. Pkt., 5c; oz., 15c.

SAGE. (**Salvia officinalis.**) Extensively used for seasoning. Pkt., 5c; oz., 15c.

SUMMER SAVORY. (**Satureia hortensis.**) Extensively used for seasoning. Pkt., 5c; oz., 15c.

TANSY. (**Tanacetum vulgaris.**) Pkt., 5c; oz., 30c.

THYME. (**Thymus vulgaris.**) Extensively used for seasoning. Pkt., 5c; oz., 40c.

WORMWOOD. (**Artemsia absynthium.**) Used for medicinal purposes. Pkt., 5c; oz., 50c.

Farm Seeds.

To pound prices add 8c. for postage, if to be sent by mail.

CLOVERS.

Price subject to market changes. Write for quotations if wanted in larger quantities than here quoted. Lowest prices and samples sent on application.

As with Grass seeds, we make a specialty of Clover seeds, and can, on account of our great facilities for obtaining the best, supply our numerous customers promptly and satisfactorily. Most of the Clovers do well in the upper Southern States and in the interior highlands of the farther South.

MEDIUM RED, or JUNE. **(Trifolium Medium.)** The common Clover in general cultivation; grows 2 to 3 feet high, and is the best for hay. Makes excellent pasturage when sown with Grasses, and is one of the best fodders for milch cows and sheep. When used alone, sow about eight pounds of seed per acre; 60 pounds to the bushel. Market price.

MAMMOTH, or LARGE RED. **(Pea Vine, Trifolium Pratense.)** Grows 4 to 6 feet high. The variety best adapted to plowing under as a green manure, on account of the enormous mass of tops and roots which it produces. It makes an excellent hog pasture. Sow 8 pounds per acre; 60 pounds to the bushel. Market price.

ALSIKE, or SWEDISH. **(Trifolium hybridum.)** Hardy, resists extremes of drought and wet, yields large crops of superior pasturage, and much liked by cattle. It is well-suited to sowing on lands liable to wash, as its long fibrous roots spread over a wide area, and so interlace and hold the soil as to resist the heaviest rains. Can be planted on any kind of soil. Blossom heads round, resembling White Clover in shape, flesh colored, sweet and fragrant; much liked by bees. Sow 6 pounds per acre in spring or fall; 60 pounds to the bushel. Lb., 30c, not prepaid; pk., $3.50; bu., $12.00.

WHITE CLOVER.

WHITE. **(White Dutch, Perennial White, White Sucklin Trifolium Repens.)** Low, with creeping stems. It is the best of the Clovers for permanent pasturage, but prefers moist land. Mixed with Blue Grass or Perennial Ray Grass, or Taller Oat Grass, it makes a permanent pasture of great grazing value. Stems fine and palatable, bearing numerous leaves of bright green color blotched with white. Sow 6 pounds per acre when used alone, or 3 pounds with Grass seeds; 60 pounds to the bushel. Lb., 25c, not prepaid; pk., $4.00; bu., $12.00.

BUR. **(California Bur Clover, Yellow Alfalfa, Spotted Medick, Yellow Clover, Medicago Maculata.)** An excellent fodder plant for the South, not being effected by drought or Southern winters. 8 pounds per bushel. A bushel of the burs should be sown per acre in the fall. Lb., 40c.

ALFALFA CLOVER.

ALFALFA, or LUCERNE. **(Medicago Sativa.)** Flourishes in the South and Southwest, and has succeeded admirably in many localities of the North. It becomes permanent when once established; moreover, being of rapid growth and unaffected by drought, it is possible to harvest from three to four crops per year. Makes excellent hay but is best for feeding green. Is much relished by sheep and cattle, causing milch cows to yield large quantities of rich milk; will not endure grazing under the usual conditions, however. Thrives best on light, dry soil. Sow in fall, if broadcast, 20 to 25 pounds per acre; if in drills, 8 pounds per acre. Thick sowing produces the finest hay; 60 pounds to the bushel. Lb., 20c, not prepaid; bu., $7.25.

SAINFOIN. **(Hedysarsum Onobrychis.)** A native of Europe; much liked as a pasture grass in England, France Germany, etc. Should succeed on the lime soils of the middle belt and of the South. The stems are 2 to 4 feet long, rather straggling in habit. The blossom-head is a spike of variegated crimson flower. A valuable forage plant, and may be fed green without causing hooven. Seeds nearly as large as Sorghum. Sow 12 to 15 pounds per acre. Produces two to five crops per year. Lb., 15c, not prepaid.

BOKHARA. **(Melilotus Alba.)** A large, coarse plant, quite valuable for soiling, producing several crops in a season. Its branches bear numerous white flowers, which are sweet and fragrant and furnish honey to bees. It thrives to best advantage in a rich, mellow loam. Sow in spring, about 8 pounds per acre in drills 14 to 19 inches apart in land free from weeds; or sow thickly broadcast. Lb., 30e, not prepaid.

GRASS SEEDS.

The cultivation of the newer grasses is on the increase, much to the advantage of farmers and planters. Some of the recently introduced varieties may well be substituted for the old sorts. We can supply the best quality of any variety in large or small quantities. *Grass seed in bushel or large lots at market price.* Ask for quotations.

TIMOTHY. (Herd's Grass, Cat's Tail, Phleum Pratense.) Starts late and grows rather slowly, flowering about four weeks after Red Clover. It makes good hay, even if cut a few days after flowering, but will never bear close feeding to horses or sheep; 45 pounds to the bushel. Sow 12 pounds to the acre. Market price.

ORCHARD GRASS. (Cock's Foot, Dactylis Glomerata.) This valuable grass is tender and palatable. The plants flower about the same time as *Red Clover.* If cut while in flower, or very soon after, it makes first rate hay; ripe, it makes poor hay. Makes excellent permanent pasture. It is not troublesome to kill by plowing. Sow 2 bushels per acre if used alone; 14 pounds to the bushel. Lb.,20c,not prepaid; bu.,$2.00.

RED TOP. (Pennsylvania Herd's Grass, Burden Grass, Agrotis Vulgaris.) Thrives best on low lands, where it cuts a good crop of rather light hay of fair quality. Suitable for low pastures. Sow 2 bushels per acre; 14 pounds to the bushel. Lb.,20c; not prepaid; bu., $1.00.

KENTUCKY BLUE GRASS. (June Grass, Spear Grass, Green Grass, Meadow Grass, Poa Pretensis.) A very valuable pasture grass. Perennial and spreads rapidly. Is sensitive to good treatment, and will often drive out most other grasses, Sow 2 bushels per acre; 14 pounds to the bushel. Lb., 35c, not prepaid; fancy cleaned, bu., $3.50. *Very short crop this season.*

SHEEP'S FESCUE. (Festuca Ovina.) This grass forms a greater part of the English Southdowns; it should always enter into the composition of pastures destined for sheep, as they are very fond of it, and mutton pastured on it are of the finest flavor. 12 pounds to the bushel; 25 pounds to the acre. Lb., 20c., not prepaid,

RAY GRASS. (Rye Grass, Perennial Rye Grass, Darnel, Lolium Pernne.) Nutritous and valuable; starts early and grows all summer. Height seldom over 18 inches. In most places not excelled by Blue Grass for pasture. In heavy moist soils South it should be very desirable. The variety called Italian Rye Grass, seldom lives over winter. Pacey's Ray Grass is perhaps the best variety of this species. Sow 2 bushel per acre; 24 pounds to the bushel. Lb., 15c., not prepaid; bu., $2.00.

ITALIAN RYE. (Lodium Italicum.) Yields an early and abundant harvest on any good common soil. Sow 3 bushels per acre; 18 pounds to the bushel.15cBu., $2.00.

ENGLISH BLUE GRASS, or MEADOW FESCUE. (Festuca Pratensis.) Nutritious and well liked by live stock. It flowers about midway between *Red Clover* and *Timothy.* It is valuable for meadow or pasture. Sow 12 pounds per acre; 14 pounds to the bushel. Lb., 15c; bu., $3.00.

MEADOW FOXTAIL. (Alopecuris pratensis.) One of the finest varieties for permanent pastures, particularly desirable for rich, moist land. Early and of rapid growth. Sow 3 to 4 bushels to the acre; 17 pounds to the bushel. Lb., 35c.

TALLER FESCUE. (Festuca elatoir.) Often three feet high; leaves long, broad and firm; spikelets are long and drooping. Produces large crops on strong, heavy land. It roots deeply, and stands dry weather remarkably well. Sow about 1½ bushels to the acre. Lb., 30c.

HARD FESCUE. (Festuca duriuscula.) A dwarf grass, desirable for dry localities. Sow 2½ bushels per acre; 12 pounds to the bushel. Lb., 25c.

SWEET VERNAL GRASS. (Anthoxanthum odoratum.) Useful as a mixture with other grasses, on account of its early growth. It emits an agreeable odor when cut for hay. Sow 3 bushels to the acre; about 10 pounds to the bushel. Lb., 50c.

TALLER OAT GRASS. (Aveaa elatoir, or Arrhenatherum avenaceum.) Perennial; grows about three feet high. It starts early, flowers early and roots deeply. Sow 3 bushels per acre; 12 pounds to the bushel. Lb., 25c.

WOOD MEADOW GRASS. (Poa memoralis.) There is no grass better adapted for pleasure grounds, particularly under trees, as it will not only grow in such places, but forms a fine sward where few other grasses can exist. 14 pounds to the bushel; 25 pounds to the acre. Lb., 35c.

ROUGH STALKED MEADOW GRASS, (Poa trivalis.) One of the few varieties that succeed well in moist and sheltered situations, where it produces a constant and abundant supply of nutritive cattle food. Sow 1½ bushels to the acre; 14 pounds to the bushel. Lb., 35c.

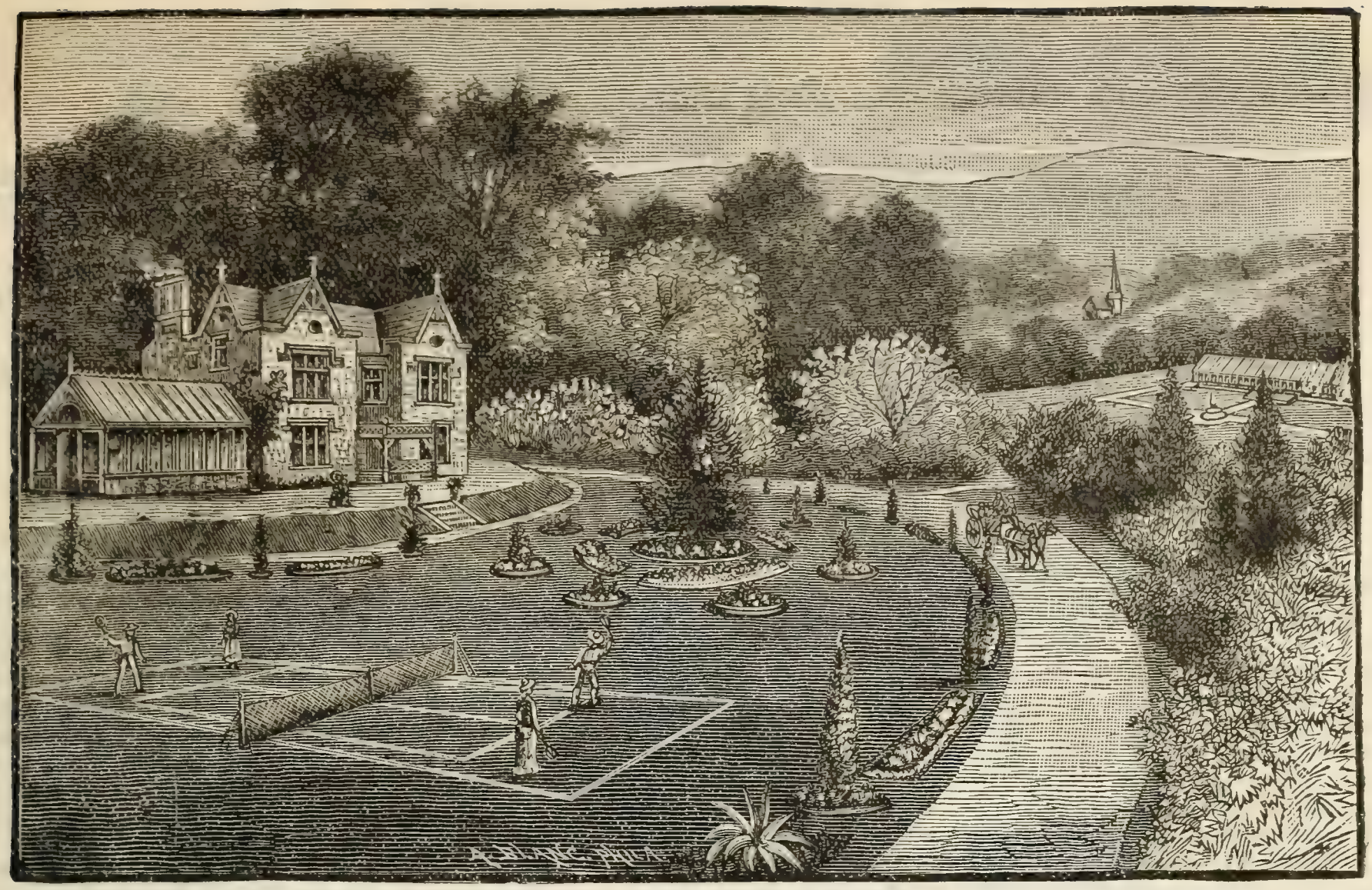
MILLET.

COMMON MILLET. (Panicum Miliaceum.) Height 2 to 3 feet; succulent stems; leaves broad and numerous, grows rapidly, and matures early. Can be planted as late as August and mature a crop of hay the same season. Sow ¾ bushel per acre—50 pounds to the bushel. Bu., 75c.

HUNGARIAN MILLET. (Panicum germanicum.) A popular forage grass in dry sections and dry seasons; it endures drouth remarkably well. It may be sown after hay is cut, and will mature a crop the same season. Stalk leafy, 2 to 4 feet high, with slender heads; 48 pounds to the bushel. Sow ¾ bushel per acre. Cut when in blossom, and cure the same as clover. Bu., 75c.

PEARL MILLET. (Egyptian, East India Millet, Pencillaria spicata.) It is becoming very popular, as it furnishes the first green food in summer; one of the most leafy of all fodder plants. Sow in light, sandy soil, well manured. If cut when small, for feeding green, it produces a second crop; is one of the best of fodder crops in the South. Lb., 20c.

GERMAN, or GOLDEN MILLET. A medium early grass, 3 to 4 feet high; a great yielder, and one of the best of hay and fodder crops. Sow ¾ bushel per acre; 50 pounds to the bushel. Bu., $1.00.



GRASS SEEDS FOR LAWNS.

FRESH, PURE AND CLEAN.

If by mail, add 8 cents per pound.

SUGGESTIONS FOR PREPARATION AND CARE OF LAWNS.

THE ground should be thoroughly drained, and if not naturally rich, fertilizers should be added before sowing. For this purpose bone dust, crushed bone, or fertilizer containing bone and potash are the best. (We can suggest no better article than the Chicago Lawn Fertilizer. Four or five hundred pounds per acre is usually sufficient. For small plots, 10 pounds to about 400 square feet.)

Work the soil by plowing or spading until thoroughly pulverized, being careful to leave the entire surface as near alike as possible, that the grass may be even in its growth; finish by harrowing or raking, until made fine, and finally level by use of heavy roller.

Seeding may best be done in spring or fall. If done during the hot months of summer, the ground must be kept moderately moist when sowing is made. With the ground prepared as directed, let the surface be gone over with a fine rake, and the seed be evenly scattered, after which carefully rake or brush the seed in and follow with the roller.

To secure best results use plenty of seed, four bushels per acre being about the right quantity. One pound is sufficient for 600 square feet. Let the grass obtain a good start before cutting, say a height of three or four inches, as the growth is retarded by too early cutting. When well rooted a lawn should be trimmed with a lawn mower about once in ten days. No lawn can be maintained long in good order without successive rollings, which work should be done in the spring before the ground becomes dry.

In very dry weather a thorough wetting should be given about once a week; a little water on a dry surface often doing more harm than good.

Old lawns can be improved and renewed by the application of fertilizers and seeding about one-half the quantity required for new lawns.

To secure a perfect lawn no surer way can be chosen than by seeding, using those varieties of grasses which being of dwarf, hardy, quick growing habit are specially suited for the purpose.

BARNARD'S "PERPETUAL GREEN" LAWN MIXTURE.

An improved mixture which we are confident is superior to the Chicago Park Lawn Mixture. Many of the European Grasses have been neglected on account of their high price, but their value for lawn purposes in this country has been demonstrated so clearly that their use will be rapidly extended. Lawns sown with the ordinary mixture dry out and turn brown during the hot summer months, and do not revive until the cooler weather of Autumn. By a judicious use of some of the European Grasses with the Standard Lawn Grasses of America we are enabled to offer a mixture to the public, which, from the habits of the various grasses of which it is composed, to ripen successively, will grow and flourish during the different months of the season, so that a rich deep green is constantly maintained. The superiority of this mixture is evident from the fact that a measured bushel weighs from four to five pounds more than the lawn grass as usually offered. Lb., 40c; 5 lbs., $1,75; 10 lbs., $3.00.

CHICAGO PARK LAWN GRASS. In this mixture is used of each variety only the most thoroughly cleaned and choicest seeds obtainable. Lb., 25c; bu., of 14 lbs., $3.00.

FINE MIXED LAWN GRASS. A thoroughly good mixture. Lb., 25c; bu., of 14 lbs., $2.50.

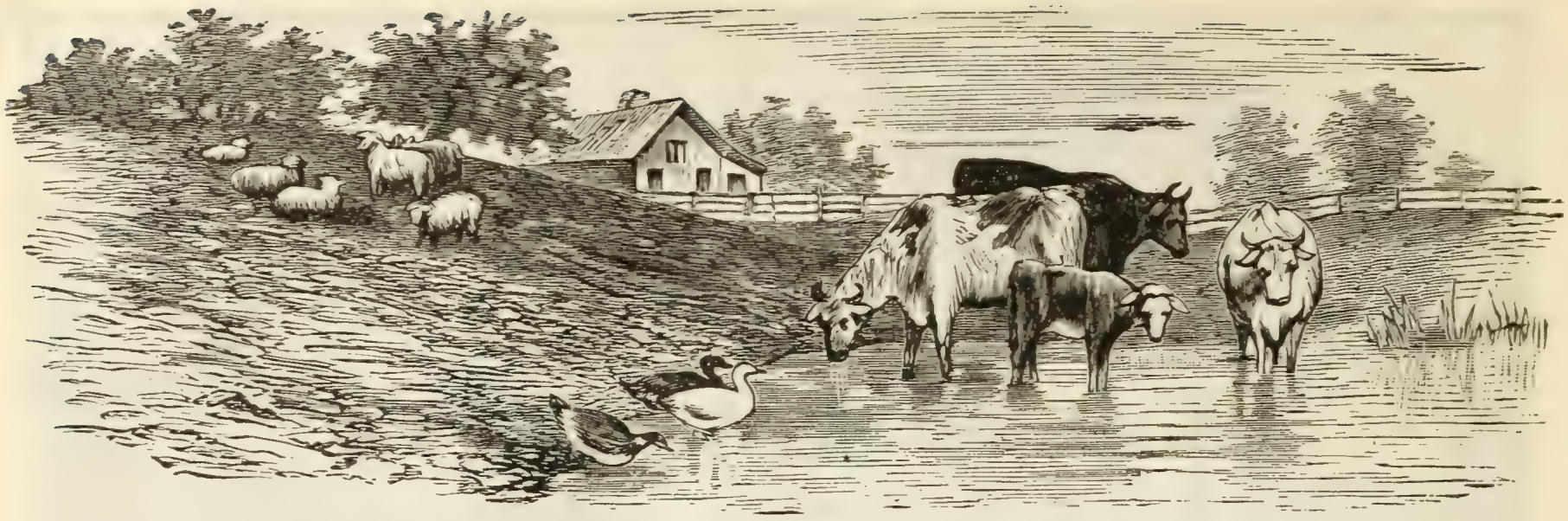
WHITE CLOVER. Choice. Lb., 35c. Very scarce.

RED TOP. Choice. Lb., 15c; bu., 14 lbs., $1.50.

BLUE GRASS. Fancy cleaned. Lb., 30c; bu., 14 lbs., $3.00.

" " Extra clean. Lb., 25c; bu., 14 lbs., $2.75.

On large quantities special quotations will be made upon application; also, for mixtures of grasses prepared for special soils, shady places, etc.



PERMANENT PASTURES.

WITH the development of the higher forms of husbandry in this country, the laying down of the land to permanent pastures is becoming an important feature of farm practice. Our pastures have heretofore been sadly neglected, so much so, that in many instances the word "pasture" is become synonymous with the poorest land of the farm. Successful dairying and stock-breeding, however, demand better grazing. There is a vast margin for improvement and increased profits, between the three-to-five-acres per cow of some of our older states, and the two-to-three-cows-per-acre of Holland. As land increases in money value its feeding capacity must be improved in order that it may be used for pasturage with profit. Many efforts at pasture making in this country have failed for very simple reasons, among which is the custom of scattering a little seed over a worn-out pasture and letting it remain on the surface, or simply harrowing it in. Again, the land has simply been plowed and re-seeded without any effort at enrichment, or proper drainage or proper pulverization, such as is thought indispensable for growing any other crop than grass. The way to make good pasture is to plow the land thoroughly, and harrow and pulverize it as if for corn; if it is poor in fertility, it must be enriched. Then grasses are to be selected which are best adapted to the soil, and the selections must be so made that a succession of grasses will keep the pasture green the season through; or, if convenient, it is well to have one pasture for early and late feeding, and another for summer feeding.

For early and late pasture the following mixtures are recommended:

We prepare these mixtures with the greatest of care, using only the choicest grade of seed.

For early pasture:

Blue Grass, Timothy, Orchard Grass, White Clover, in sufficient quantities for one acre, $1.75.

For Summer pasture:

Timothy, Orchard Grass, Red Clover. Quantities sufficient for one acre, $1.75.

For Southern pastures in the higher altitudes the following should succeed:

Orchard Grass, Taller Fescue, Blue Grass, Johnson Grass, White Clover. Quantity sufficient for one acre, $3.00.

For wet soils in the North we suggest:

Blue Grass, Red Top, Fowl Meadow Grass, Rye or Ray Grass, White Clover, Alsike Clover. Quantity sufficient for one acre, $3.00.

For the lighter soils of the North and East we suggest the following:

Timothy, Taller Oat Grass, Rhode Island Bent, Orchard Grass, White Clover, Red Clover, Alsike Clover. Quantity sufficient for one acre, $3.50.

For the dry soils and the hot climate of the Southwest we recommend:

Taller Fescue, Giant Fescue, Taller Oat Grass, Johnson Grass, Red Clover. Quantity sufficient for one acre, $4.00.

For permanent dairy pastures on most heavy soils, we recommend:

Perennial Rye Grass, Blue Grass, Orchard Grass, Meadow Fescue, Meadow Foxtail, Red Clover, White Clover, Alsike Clover. Quantity sufficient for one acre, $3.50.

To make a pasture quickly the grass seeds should be sowed alone, without grain, and not be grazed the first year, but be cut for hay, twice if possible, in order to force a large development of roots. To renovate an old pasture it is best to cultivate it for a year to some well manured hoed crop. This is an expensive process, but it is effectual in killing off a great number of weeds. A good way also is to harrow the surface with a sharp harrow and then sow a variety of seeds, with 200 or 300 pounds of bone dust per acre; or spread on some find compost, then give the whole a thorough harrowing and leave it alone. When the grasses show signs of running out, say every 5, 7, or 10 years, it is well to sow a variety of grass seeds on the surface, and drag a light harrow over the pasture, applying at the same time a dressing of bone-dust.

BARLEY.

An interesting history of this grain may be found in *The Grain and Farm Seed Manual.* Price, 5 cts.
Sample packages of all grains mailed, postpaid, 5 cts. each.

MANSHURY. New in 1882; 6-rowed; originated in Canada. Heads long, heavy, drooping and well filled. often containing 75 to 90 grains. Straw bright, very strong, does not lodge on the richest land. Considered superior for malting; distinguished from common 6-rowed by a slightly reddish tinge to the beard of the young heads. Of this variety the November, 1888, report of the Agricultural Experiment Station at Madison, Wis., says: "The Manshury, however, won an easy victory over all competitors again this year, and the reports received from farmers who have grown it for several years fully sustain us in our opinion that it is the most desirable of all varieties for the general crop." Bushel, 48 lbs., $1.50.

NEPAUL OR HULLESS. A hulless and beardless variety distinguished for its sure-cropping and enormous yielding properties. Superior to Oats, Corn or other Barley for feeding purposes. Pk., 75c; bu., $2.00.

BUCKWHEAT.

Buchweizen, Ger. Fajol, Sp. Sarrasin, Fr.

NEW JAPANESE. Entirely distinct. Kernel, large; color, rich dark brown. Early and productive. Lb., by mail, 25c. pk., 40c; bu., $1.25.

SILVER-HULL. Earlier and more productive than Common. Pk., 35; bu., $1.00.

COMMON. Kernel grayish brown. Pk., 35c; bu., $1.00.

CORN.

(FIELD VARIETIES.)

Add 15c per qt. if sent by mail. 2-bu. grain bags 20c each.

Special quotations given on large quantities.

Following are some of the better varieties of Field Corn in general use, together with some new ones. There are said to be over 200 varieties, but many of them being confined to limited localities, and their general value not tested, a description here is unnecessary.

EARLY MASTODON.

(*See first cover page*)

This magnificent new variety of Yellow dent corn was produced by crossing the White Cap and Early Roe Dent two of the earliest corns ever grown in the north: the object being to obtain a large eared, extra early deep-kerneled corn which has long been demanded by corn growers. The valuable characteristics of this variety have been thoroughly established and the corn brought to its present state of perfection by careful selection. Our stock of it is fine and genuine. It fully withstands the vigor of a northern climate and grows rapid, strong and rank, and is an immense yielder. In 1889 it outyielded every other yellow variety shown in the great corn contest of the American Agriculturist. The Mastodon is the earliest corn in the world considering its size and number of rows on the cob Pkt., 5c; lb., 20c; 3lbs, 50c., prepaid. Pk., 50c: bu.. $1.75, not prepaid.

IMPROVED PRIDE OF THE NORTH. Still in the lead as the earliest yellow Dent; matures in 90 days. A 16-rowed yellow Dent Ear 8 to 10 inches in length and 1¼ inches in diameter Kernels closely set, above medium size, long, narrow, thin, of deep orange color, shading to pale yellow at the tip Cob very small and red In a test, 70 pounds of ears, not selected and but imperfectly dried, produced 60¾ pounds of shelled corn and only 9¼ pounds of cobs, instead of 14 pounds, the usual proportion. Stalks about medium height —6 to 8 feet. Pkt., 5c; qt., 15c; Pk., 50c; bu., $1.75.

LEAMING. An early yellow Dent corn, and ripening in 100 to 110 days from planting. The ears are large and handsome, a deep large grain, orange yellow color and small red cob. Stalks medium size and tapering gradually, generally producing two good ears each, and husks and shells very easily; much used for ensilage. Pk., 50c; bu., $1.50.

GOLDEN BEAUTY. This is a bright golden yellow Dent corn; the kernels large, cob small, of early maturity, ripening in about 110 days. A very desirable and highly recommended variety. Pkt., 5c; pk., 50c; bu., $1.75.

WAUSHAKUM. A yellow, 8-rowed Flint. Stalks vigorous and excellent for fodder. Cob white and 8 to 10 inches in length. An exceedingly heavy and productive variety. Pkt., 5c; qt., 15c; pk., 50c; bu., $1.75.

LONGFELLOW. Cob slender and 10 to 15 inches in length. A very early, yellow, 8-rowed Flint variety, and an abundant yielder. Pkt., 5c; qt., 15c; pk., 50c; bu., $1.75.

CHAMPION WHITE PEARL. A very pure white early corn, maturing in 90 to 100 days. Very prolific, the grain is long and wide, two of which will span the cob. The cobs are unusually small for the size of the corn, and are almost all white. The ears are medium size, 16-rowed, and can be planted much thicker than large corn and yet bear full sized ears. Pk., 75c; bu., $1.75.

IMPROVED KING PHILIP. Very early. Ears 10 to 12 inches. Kernel copper-colored, smooth and flinty. Qt., 10c; pk., 50c; bu., $1 25.

HICKORY KING. This now famous, pure white Dent corn comes nearer to being all corn and no cob than any other grown. The cob is small and the grain is so large that when the ear is broken in half one grain will cover the entire end of the cob. The ears grow from 7 to inches long and bear from three to five on a stock, thus making it very productive. It ripens in from 110 to 120 days from time of planting. Large pkt., 10c; qt., 25c; pk., $1.00; bu., $2.00.

ENSILAGE, or Fodder Corn.

SWEET CORN FOR FODDER. There is nothing better for green feed, or for curing for winter, than Sweet Corn. Cattle highly relish it, and when fed on it keep in fine condition, and give an abundance of milk. It has the great merit of being so sweet and palatable, that cattle eat every part of the stalks and leaves. Also excellent for soiling. Sow in drills or broadcast. Pk., 50c; bu., $1.50.

LARGE WHITE SOUTHERN ENSILAGE. A most desirable variety for its purpose. Leaves are produced in abundance. Pk., 40c; bu., $1.25.

SHEEP'S TOOTH, or SOU FODDER. Great care is taken in selecting this corn. The kernel is long and narrow, and a bushel contains 50 per cent. more kernels than the Horse Tooth corn, It grows quick and tall, and the stalk is full of leaves and very sweet. Pk., 50c; bu., $1.75.

RED COB ENSILAGE. A most desirable variety, adapted to all sections of the country. It is sweet, tender and juicy; has short joints, abundance of leaves, and grows to a good height. Pk. 40c; bu., $1.25.

ENSILAGE CORN.

Pop Corn.

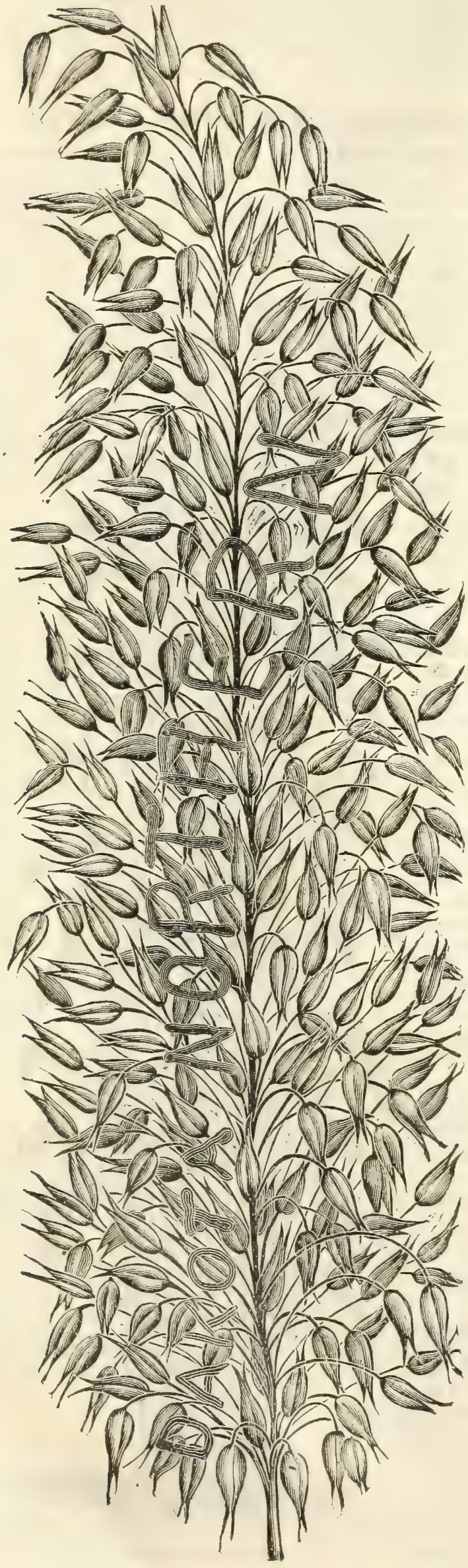
CHICAGO, or BOSTON WHITE PARCHING. Ear 6 to 8 inches long and 10 to 12 rowed. Kernel white, round, hard and flinty. The popular market variety. Pkt., 10c: qt., shelled, 25c; bu., $2.00

POP CORN.—Continued.

GOLDEN FLAKE. Is beyond comparison in every respect. Its distinctive characteristics are developed mainly in the popping, each kernel expanding to the diameter of about one inch, and assuming a delicate golden or creamy tint, while the tenderness and delicate flavor are incomparable. Stalks 6 feet in height; producing in abundance the large, shapely, golden ears. Pkt., 10c; qt., shelled, 30c; bu., ears, $4.00.

RICE PARCHING. Ear smaller than Boston White Parching. Kernels pointed. By many preferred to all others for home use. Pkt., 10c; qt., shelled, 25c; bu., $2.00.

MAPLEDALE PROLIFIC. A most marvelous pop corn, as it bears from 10 to 20 ears on a stalk, to the utter astonishment of all who see it. The introducer claims it will average 12 ears to the stalk; another party reports 121 ears from 10 stalks. It is of fine quality and of course outstrips all in productiveness. Pkt., 20c; qt., 50c.



OATS.

Sow 2 bushels per acre.

Special prices on large quantities.

EARLY DAKOTA NORTHERN, NEW. Our experience with this oat during the past season, and reports from various parties who have grown it, lead us again to place it in the front as a *superior extra early variety.* Its special points of excellence are:

Earliness. Maturing about two weeks earlier than ordinary varieties

Productiveness. Its record on Dakota soil was 159 bushels per acre. In general cultivation it will be found that it is not to be excelled by any other variety. It is extra heavy, the measured bushel weighing 44 lbs.

Highest Market Price. It commands on the market the highest price, being acknowledged by practical feeders as superior.

Description. The berry is short and thick, meat extending full out to the end of the hull, with but little of the fuzzy appearance at the end, which only lengthens the hull, and fills up the measure, but does not add anything to the value. The hull is clean and white, and so light that many of the oats are hulled by the threshing machine. The straw is clean and bright; stands up well. We are pleased to be able to offer this really valuable Oat to our customers at a reasonable price, having secured the genuine seed from first hands. Pkt., 10c; qt., 25c, postpaid; pk., 50c; bu., $1.25; 10 bu., $10.00, bags included.

WIDE AWAKE. Height 4 to 6 feet; straw firm and strong. Very productive, hardy and vigorous. Grain heavy and plump, having large meat and thin husks. Pk., 35c; bu., $1.00.

WHITE SWEDE. Early and very productive variety. Pk., 35c; bu., $1.00.

JAPAN. A new and productive variety of White Barley Oats. Straw stout and strong; berry plump and full. A strong recommendation in favor of this variety is that it is *absolutely rust proof.* Pk., 35c; bu., $1.00.

WELCOME. Very popular productive White Oats, produced on large stout, tall straw, often 6 feet in height. Pk., 35c; bu., $1.00.

BONANZA. A variety of White Oats of extraordinary earliness and productiveness. Reliable cropper. Pk., 35c; bu., $1.00.

WHITE OATS. Choice selected recleaned seed stock of heavy oats not under name. Bu., 75c. Write for prices in quantity.

BLACK SEED OATS. Straw tall, stiff and not subject to rust. The grain is short and plump, having black chaff. Adapted to a diversity of soils and climates. Pk., 35c; bu., $1.00.

BROOM CORN.

EXTRA EARLY JAPANESE. A novelty of great merit for an early crop, maturing as it does more rapidly than any other variety hitherto known to us. Corn planted the middle of July is ready to harvest the first of October. This also forms a fine crop to follow wheat, thus yielding a double harvest from the same piece of ground. In addition to all the foregoing, it withstands drought the best of any existing variety, hence is of special value to dry sections in any locality. The brush is long and fine, recommending itself particularly for manufacturers' purposes. We are able to furnish the seed in limited quantities only, hence early orders are advisable. Lb., 20c; pk., $1.00; bu., $3.00.

IMPROVED EVERGREEN. A most desirable variety, 8 to 10 feet in height, erect and free from crooked brush. Straw long, fine, never turning red in the field, but remaining purely green—materially enhancing the market value thereby. Pkt., 15c; pk., 50c; bu., $1.50.

FLAX.

flachs, Ger. Lino, Sp. Lin, Fr.

For full directions regarding culture and harvesting, send for book on Flax Culture. Price 5 cents.

SELECTED AMERICAN. The finest American stock for seed purposes. Qt., prepaid, 45c; bu. of 56 pounds, $2.00.

RYE.

Roggen, Ger. Centeno, Sp. Siegle, Fr.

SPRING. This variety has been developed simply by planting Winter Rye in the spring and selecting the seed so produced for several years. The standard variety for spring planting. Bu., $1.25.

WHITE WINTER. Much prized for its straw, also for plowing under as a green manure. The ordinary fall sown variety, of which we offer choice selected stocks only. Bu., $1.25.

SORGHUM, or SUGAR CANE.

Warm, moderately rich corn soil is best adapted to its culture, manured with mineral fertilizers, as ashes, bone dust, potassic manures, etc. Plant in drills, 3½ feet apart, letting the sunlight reach the stalks and lower leaves to complete the development of sugar. Planting made as late as the middle of June will be ready for manufacture in September.

EARLY AMBER. So named because of its earliness and the pure, amber color of the syrup obtained from it. Stalk small and of medium height. Seed heads erect, light and rather open. Glumes dark bronze-red; seeds nearly white. Unlike most of the sorghums, it is remarkably successful in the extreme Northern latitudes. Pkt., 5c; ℔., 15c; 100℔s, $4.00.

KANSAS ORANGE. Habits in all respects similar to the preceding. Being constituted to endure Southern summer heat, it ranks South of Illinois as the Early Amber does at the North. Pkt., 5c; ℔., 15c; 100 ℔s., $4.00.

NON-SACCHARINE SORGHUMS.

KAFFIR CORN. A non-saccharine variety that at the South yields valuable grain and forage crops, even in dry seasons when corn proves an entire failure. Stalks 4½ to 6 feet, stocky, broad-leaved, and bear two to four long heads of grain each; the latter white, becoming somewhat spotted with red at maturity. Pkt., 10c; ℔., 35c.

AFRICAN MILLLET. A most valuable forage plant for tropical climates, as it thrives in the hottest and dryest localities. Pkt., 5c; ℔., 35c.

WHITE DOUHRA. Produces a large amount of grain much liked in the South for a food grain. Kansas claims a yield of 60 bushels, while California boasts of 200 bushels per acre. Pkt., 5c; ℔., 35c.

MILLO MAIZE. Self-constituted by its branching habit and numerous suckers, a most valuable forage plant. Sow in three-foot drills, five or six inches apart in the drill. Pkt., 5c; ℔., 35c.

VETCH, or TARES.

Vickee, Ger. Alverjana, Sp. Vesce, Fr.

Extensively cultivated in Europe, and is deservedly increasing in favor in Canada and the United States, as a large and excellent forage cropper. Sow broadcast or in drills, allowing about two bushels per acre. Pk., $1.00; bu., $3.00.

WHEAT.

Weizen, Ger. Trigo, Sp. Ble, Fr. Triticum vulgare, Lin.

SPRING VARIETIES.

VELVET CHAFF BLUE STEM. Heads beardless, with white, velvet-like chaff. The stem just below the head, when green, has a beautiful blue bloom, which disappears as the wheat ripens, both wheat and straw assuming a bright, golden tint. Grain hard. This variety is similar to the Scotch Fife, but is far more productive. Entirely free from rust, and possessed of excellent milling qualities. Pk. 75c; bu., $2.50.

SASKATCHEWAN. Has the general characteristics of Scotch Fife, from which it has descended by careful selections, but is a marked improvement in point of earliness, hardiness, productiveness and purity. Is highly endorsed by leading wheat growers. Pk., 60c; bu., $1.75.

FRENCH IMPERIAL. Specially noted for its plump, hard kernels. Very popular in the North-west, where the grain is graded. "Extra Heavy No. 1 Hard." Pk., 60c; bu., $1.75.

DEFIANCE. Heads beardless, long and closely set with large white kernels. Chaff and straw both white; the latter erect and free from rust. Pk., 70c; bu., $2.25.

WHITE RUSSIAN. Heads large, long, beardless and white chaffed. Extremely hardy, enduring both freezing and thawing unusually well. Pk., 70c; bu., $2.25.

WINTER VARIETIES.

MEDITERRANEAN HYBRID WINTER. A hardy variety. Heads broad, of medium length, bearing large, plump, heavy red grains. Pk., 60c; bu., $1.75c,

MARTIN'S AMBER. Heads 4 to 7 inches long, beardless, clear amber-colored grains. Straw of average length and good strength. Pk., 65c; bu., $2.00.

SILVER CHAFF. Pk., 60c; bu., $2.00.

SENECA, or CLAWSON. One of the earliest varieties; hardy, productive and free from rust. Pk., 60c; bu., $2.00.

For seeds of root crops for stock, such as Mangel-Wurzel, Beet, Turnip, Ruta Baga, Carrot, Parsnip, etc., see Vegetable Seed list.

TREE SEED.

Having procured your seeds it becomes an important matter what to do with them. Some are best planted as soon as possible; the Elms and Soft Maples are of this class. They should be sowed in shallow drills, and if lightly covered and pressed they germinate at once, and make nice plants the first Summer. When first up they are very tender and should be slightly shaded by lath frames, leafy brush or moderate mulching. They will need to be kept clear of weeds by cultivator and hoe between the beds and by hand-weeding of the beds. The seed beds should be well prepared, and the seeds can be raked in, or if very small they may lie upon the surface and be rolled or patted with a board or the back of the spade, watered and shaded. The old rule of the gardeners may be followed as to the depth of covering—twice the diameter of the seed—but if the soil and season be dry, a greater depth may be desirable.

The seed of Ash, Apple, Pear, Ailanthus, Linden, Locust, Cherry, Peach and Plum, the Thorns, Catalpas, Hard Maples, Pines, Spruces, Firs, Hemlocks, Arbor Vitæ, etc., may be kept over the winter in a cool room, from which vermin must be excluded. Some of these, however, may be planted in the fall, or can be wintered best out-doors on the ground and slightly covered with a roof of boards, or by an inverted box. Others have their vitality preserved by mixing with the damp (*not wet*) sand, which excludes the air and retains a degree of humidity that aids their germination when sown in the spring. Some of the larger seeds and nuts require especial care if they be not planted at once. The Chestnuts and Horse Chestnuts and some

TREE SEED.—Continued.

Acorns, when too moist, will mould and spoil, losing their vitality—when kept too dry they become hard and are lost from that cause, hence it is safest to sow them in the fall, and before they have suffered from either extreme. It is recommended to mix such seeds with sand and keep them in a cool place. If the sand be too wet they are very apt to decay. The Walnuts, Hickories, Acorns, Peach, Cherry and Plum, and other hard seeds, may be sown at once in drills and exposed to the frosts, but some that make a very small top the first season had better be sown pretty thickly in shallow boxes of soil; these can be transplanted into nursery rows the next season, when the top roots will need to be shortened. As a rule, all plants of this class will need to be transplanted at one or two years from sowing. The shortening of the roots will cause them to branch and become more fibrous.

Some hard seeds preserve their vitality a long while, and require special treatment to encourage germination. Those of the Red Cedar are sown in beds and allowed to remain until the second year; others are put with fermenting material into what is known as the rot-heap, and left there until they begin to germinate, when they must be planted. Thorns and some other hard seeds are fed to poultry which are confined, so that the manure and partially digested seeds can he sown together. The hard beans of the Locust and some other refractory seeds need to be treated to scalding water as a preparation for sowing. Walnuts, Hickories, Peach stones, Wild Cherry, etc., are exposed to moisture and frosts out-doors.

TRANSPLANTING. If not sown too thickly, a large majority of our deciduous trees may be planted out in their permanent stations at one year old; others require first to be *schooled* by transplanting them at one or two years, from the seed-bed to other beds, or they may be at once lined-out in nursery rows and there cultivated until large enough for forest planting.

The bedding out of young Evergreens, from the seed-bed may be a thinning out of the largest, leaving the smaller. It can be done in the Spring, just as the buds swell. The plants are set closely, well firmed, and shaded if necessary. Or the shifting can be safely practiced in the summer, after the terminal buds have been formed. Shading will then be required for a few days, and boards set on edge around the beds will protect from the winds, which might seriously affect them when removed from the thickly set seed-bed.

The *Grain and Farm Seed Manual*, price 5 cents, contains full directions for planting and handling Tree Seeds. *Hough's "Elements of Forestry,"* price $2.00 is the most complete and best book on the subject. We quote the standard sorts only. Should any other variety be wanted, write us and we will furnish at lowest possible prices. Sent by mail or express prepaid, at pound and ounce price.

EVERGREENS.

	LB.	OZ.
Hemlock Spruce	$4.00	$ .40
Norway Spruce	.85	.15
Red Cedar	.60	.10
Balsam Fir	1.60	.20
White Pine	1.60	.20
Pitch Pine	4.00	.40
Southern Yellow Pine	4.00	.40
Scotch Pine	1.30	.20
American Arbor Vitae	2.75	.30

DECIDUOUS SPECIES.

	BU.	LB.	OZ.
Sugar Maple	$	$ .60	$ .10
Red Maple		2.00	.25
Silver Leaf, or River Maple		.50	.10
Box Elder, 10 lbs, $2.50		.30	.10
Ailanthus		1.50	.20
European Alder		1.25	.20
Hardy Catalpa, 5 lbs., $4.50		1.00	.15
Chestnut		.40	
American Hornbean		1.00	
White Heart Hickory	4.50	.25	
Shellbark Hickory	4.50	.25	
White Ash, 5 lbs., $1.00		.40	.10
Butternut	2.50	25	
Black Walnut	$1.50	.25	
English Walnut		.50	
European Larch		1.25	
Hackmatack, Tamarack, or Am'r'n Larch		.85	.20
Russian Mulberry		3.00	.30
White Mulberry		2.25	.25
Plane or Sycamore		1.25	.15
Mountain Ash		1.60	.20
Live Oak	5.00	.85	
Chestnut Oak	5.00	.85	
Burr Oak	3.00	.45	
Black or Yellow Locust		.40	
European Linden		1.10	.10
Basswood Linden		1.10	.10

FRUIT SEED.

	BU.	LB.	OZ.
Apple	$6.00	$ .40	$
Cherry, Mahaleb		.50	
Pear		2.00	.20
Peach Pits	1.50	.25	
Quince		2.50	.25

HEDGE SEED.

	BU.	LB.	OZ.
Osage Orange, bu. of 33 lbs.	6.50	.40	
Honey Locust		.40	

PRICKLY COMFREY.

PRICKLY COMFREY.

Symphtum officinale, LIN.

An excellent and enormously productive fodder plant, producing 4 to 5 crops per season. It endures severest drouth and grows most luxuriantly in the hottest weather; hence is especially adapted to dry sections where other plants do not thrive It never succeeds on low, wet land.

It is propagated by roots, which increase in the ground, thus forming a perennial crop. Plant in spring or early fall, 5,000 to 7,000 root cuttings per acre. Always feed green. By express, not prepaid. Roots, 100, $1.50; 1000, $10.00.

WILD RICE.

(ZIZANIA AQUATICA.)

The Wild Rice of ihe North and West is a valuable forage plant for swamps and overflowed land, also highly esteemed for sowing along water courses to attract fowl. Excellent either green or cured. Our seed stock, gathered by the Indians on Rice Lake, Canada, the past season, is of the finest grade; one that we can recommend to sports men's clubs for wild duck feeding. Lb., 40c; bu., of 20 lbs., $3.50.

Collection of Seeds for Greenhouse or Indoor Culture.

By observing the following direction for sowing, watering and general care of seedling most any one can be successful in raising their own plants for the adornment of the house at a trifling expense.

The best advice we can give to ensure success, is to obtain a mellow soil, sow the seeds in boxes or pans on the surface, and then dust a little fine earth over them through a flower sieve. Apply water in a fine spray, for this purpose nothing is more convenient than a Perfection Rubber Plant Sprinkler; it can, however, be well done by the use of a brush or whisk broom. As the seeds are very small and near the surface, the sun should not shine on them directly. The boxes or pots must be partially shaded by some light material, best a pane of glass which has a coating of whitewash; this will furnish a very fine light to the seedlings, and will insure a better stand of plants. When the plants are large enough, say the fourth leaf, give a little air which will give them a better color and growth.

2002. **ABUTILON.** Finest varieties mixed. Pkt., 10c.

2266. 2267. **BEGONIA TUBEROUS.** Single or double. Pkt., 25c.

2325. **CALCEOLARIA GRANDIFLORA.** Very choice mixed colors. Pkt., 25c.

2326. **CALCEOLARIA GRANDIFLORA PUNCILLA.** Dwarf, fine mixed. Pkt., 25c.

2634. **CARNATION PINK.** Pkt., 50c.

2391. **CENTAUREA GYMNOCARPA.** Silver leaved, tall and graceful. Pkt., 10c.

2389. **CENTAUREA CANDIDISSIMA. (Dusty Miller.)** Pkt., 10c.

2431. **CHRYSANTHEMUM.** Finest double mixed. Pkt., 20c.

2444. **CINERARIA HYBRIDA GRANDIFLORA.** Mixed seed from very best varieties. Pkt., 25c.

2445. **CINERARIA HYBRIDA.** New dwarf of compact growth. Pkt., 25c.

2448. **CINERARIA MARITIMA.** Silver-foliaged, hardy. Pkt., 25c.

2449. **CLIANTHUS DAMPIERI.** Splendid climber, brilliant scarlet flowers. Pkt., 25c.

2493. **COLEUS.** Mixed seeds. Pkt., 25c.

2525. **CYCLAMEN PERSICUM.** Mixed. Pkt., 10c.

2526. **CYCLAMEN GIGANTEUM.** Extra large flowers; colors rich and varied. Pkt., 50c.

2700. **GERANIUM.** Choice mixed. Pkt., 25c.

2704. **GLOXINIA HYBRIDA.** Best imported strain. Pkt., 25c.

2742. **HELIOTROPE.** Best mixed. Pkt., 10c.

2755. **HIBISCUS.** Rosy flowers; 3 feet. Pkt., 5c.

2775. **IMPATIENS SULTANA.** Flowers rosy carmine, colored wings; large and showy. Pkt., 20c.

2934. **KENILWORTH IVY. (Linaria Cymballaria.)** Pkt., 5c.

3223. **PASSIFLORA CŒRULEA.** The hardiest passion flower. Pkt., 10c.

3494. **PRIMULA SINENSIS.** Double mixed, select strain. Pkt., 25c.

3532. **SMILAX.** Most useful climber, for decorative work. Pkt., 10c.

3533. **SOLANUM CAPSICASTRUM. (Jerusalem Cherry.)** Very fine; red fruited; fruit hanging on the plant a long time. Pkt., 10c.

The Gem List of Rapid Annual Climbers.

Their seed should be planted in small pots early in spring to insure a success for rapid covering of trellises, verandas, fences. Transplant the end of May or June. The following collection embraces all those of easiest culture, and which will thrive anywhere.

2386. **BALLOON VINE or (Love-in-a-Puff).** A pretty, free growing climber. Pkt., 5c.

2314. **CALAMPELIS.** A climber of much merit; flowers of bright orange. Pkt., 10c.

2478. **COBEA SCANDENS.** Its seeds should be planted on edge. Pkt., 10c.

2527. **CYPRESS VINE.** This genus contains many different varieties of great beauty of flower and foliage. Pkt., 5c.

2720. **GOURDS.** Ornamental, rapid growing, annual climber; their fruit is curious and beautiful. Pkt., 5c.

2950. **LOPHOSPERMUM.** Very ornamental; flowers rosy pink. Pkt., 10c.

2980. **MOMORDICA.** Rapid grower; foliage very striking; fruit bright orange. Pkt., 5c.

2509. **MORNING GLORY. (Convolvulus Major.)** Pkt., 5c.

3169 **NASTURTIUM.** Tall, beautiful and luxuriant. Pkt., 5c.

3223. **PASSION FLOWER.** Highly ornamental; flower light blue. Pkt., 10c.

3524. **PHASEOLUS. (Scarlet Runner Bean.)** A well-known favorite; flowers fragrant. Pkt., 5c.

3740. **WILD CUCUMBER.** Rapid grower. Pkt., 10c.

One packet each of this collection of annual climbers, total value 85 cents, will be sent to any address for 50 cents.

Seeds of Hardy Ornamental Climbers.

All of the hardy climbers grow readily from seeds, and persons who cannot obtain good plants or had failures in planting such, we would recommend to give them a trial and grow them from seed. Sow early in spring or fall, in drills, in well prepared beds. Keep soil mellow.

2146. **AMPELOPSIS VEITCHII. (Japanese Ivy or Boston Ivy.)** This is our finest hardy climber for covering stone and brick buildings, old trees, etc. *H. p.* climber, 50 ft. Pkt., 10c.

3740. **ARISTOLOCHIA SIPHO. (Dutchman's Pipe.)** A rapid growing plant, with large heart-shaped foliage, and very curious flowers, resembling a pipe; hardy perennial; 30 ft. Pkt., 10c.

3742. **BIGNONIA GRANDIFLORA. (Trumpet Creeper.)** A rapid growing, hardy climbing plant. It clings by tendrils. The flowers, dark red and orange, are of trumpet-shape, and borne in large clusters in the fall. *H. p.*, 40 to 60 feet. Pkt., 10c.

2468. **CLEMATIS.** Handsome, hardy climbers for training on walls, trellises, etc., or drooping over rock work. *H. p.* 6 to 12 feet. Mixed sorts. Pkt., 15c.

3743. **WISTARIA SINENSIS.** A favorite hardy climber with magnificent clusters of blue flowers. Pkt., 10c.

3744. **WISTARIA ALBA.** Like W. Sinensis in habit. Flowers white. Pkt., 10c.

FLOWER SEEDS.

Our Flower Seeds have been selected with the greatest care from high grade stocks of last season, and we have the utmost confidence in their superiority. In our assortment following, will be found besides the old, well-known stand-bys, all the praiseworty novelties of recent introduction and tested merits.

Our success with florists and leading amateur gardeners in supplying them season after season with fresh and reliable seeds should satisfy the most critical buyer and we always shall work hard, neither saving labor nor expense to hold this department in the lead.

Most flower seeds germinate well in a fine sandy loam, partially protected from the sun.

A general rule for the seed-bed is to have the soil level and worked very finely. Sow the seed evenly in rows and cover to the depth of about three times the size of the seeds with the finest of soil, pressing it firmly over the seed. It is of the utmost importance to see that they are not planted too deep, in which case they will surely rot. The soil should never become dry after the seeds have swelled, for if it does, they will be pretty sure to fail. For this reason it is better to sow most small seeds in seed-boxes standing near the house, that the surface of the soil may be kept properly moistened with a fine syringe.

By early planting in a greenhouse, hot-bed or a box in the house, some sorts of both biennials and perennials will flower the first year and afterward a second or third.

ABBREVIATIONS.—To save space the following abbreviations are used:

A, annual; plants that live but one year.
B, biennial; " " " two years, flowering the second year.
P, perennial; plants that live three or more years.
H, hardy plant; *H. H.*, half hardy.
T, tender. *Cl*, climber. *Fr*, fragrant.

Please order Flower Seeds by number only, and thereby facilitate matters.

All Flower Seeds will be sent Prepaid at the prices mentioned.

REDUCED RATES TO CLUBS.

To assist our customers in encouraging the use of our Tested Seeds among their neighbors we make the following reductions for Vegetable and Flower Seeds in packets, to be sent by mail postpaid:

For $1.00 you may select seeds to value of	$1 25	For $4.00 you may select seeds to value of	$5 25
For 2.00 " " " " " "	2 50	For 5.00 " " " " " "	6 50
For 3.00 " " " " " "	3 75	For 10.00 " " " " " "	13 35

COLLECTIONS OF FLOWER SEEDS.

FREE BY MAIL AT PRICES AFFIXED.

For the convenience of those who prefer to leave the selection to us, we offer the following collections. They contain new and desirable varieties, such as we recommend. Persons thus purchasing can make a greater display, at a much less price, than ordering separate packages. These collections are *always to be of our own selection*, and not subject to any discount from the prices given below.

12 Varieties, Annuals	$ .50
25 " "	1.00
10 " Rare Annuals	1.00
25 " " "	2.00
20 Varieties, Choice Hardy Biennials and Perennials	$1.00
50 Varieties, Annuals, Biennials and Perennials	2.00
12 Varieties, Choice Greenhouse Seeds	$2.50
25 Varieties, same	4.00

☞ **All Strictly Our Own Selection.**

Flower Seeds by Weight.

	Per oz.
Ageratum Mexicanum, "Dwarf Blue Gem"	$0.40
Alyssum martimum (Sweet)	.40
Asters, Mixed China	1.00
Balsams, Mixed Double	.70
Balloon Vine	.25
Canary Bird Flower	.60
Candytuft, Best White	.25
" Mixed	.25
Canna, Fine Mixed	.50
Carnation Pink, Extra Fine Double Mixed	3.00
Convolvulus major (Morning Glory) Mixed	.10
Cypress Vine, Red or White	.40
Four O'Clocks (Mirabilis), Finest Mixed	.15
Gaillardia picta Lorenziana	.60
Globe Amaranths	$0.30
Hollyhocks, Splendid Double, Mixed	.75
Larkspur, Dwarf Rocket	.25
Lobelia Erinus speciosa	1.00
Marigold, African Mixed	.35
" French Mixed	.40
Mignonette, Sweet....Per lb., 75c	.15
Nasturtium, Tom Thumb, Mixed	.20
Pansy, Fine Mixed $2.00; Extra Choice Mixed	8.00
Peas, Sweet, Mixed....Per lb., 50c	.15
Petunia, Fine Mixed, spotted and striped	2.00
Phlox Drummondii, Fine Mixed	.80
" " Large Flowering, Mixed	1.00
Pink, Mixed Double China	.40
Poppy, Mixed Carnation	.25
Portulaca, Splendid Mixture	$0.80
Pyrethrum, "Golden Feather"	1.00
Ricinus sanguineness (Red-stalked Castor Bean)	.30
Salvia splendens, rich scarlet	2.00
Smilax, fine climber for pots	1.50
Snapdragon, Mixed Tall	.35
" Mixed Dwarf	.50
Stock, English Ten-Weeks, Mixed	.75
" Finest German Ten-Weeks	2.00
Sweet William, fine Auricula-flowered	.30
Thunbergia, fine Mixed	.40
Verbena, Hybrid Mixed Choice Mammoth	4.00
Wallflower	.35
Zinnia, Finest Double Mixed	.80

FLOWER SEEDS.

ABRONIA.

Beautiful, sweet scented trailing plant, bearing flowers in large trusses like the Verbena. Desirable for beds, rock work and hanging baskets.

2000. **Umbellata.** Rosy lilac, with white centre. 6 in. *H. H. A.* Pkt., 5c.

ABUTILON (Flowering Maple.)

Free blooming plants for greenhouse and window culture; also succeeding well in the open ground in the summer. Sow under glass before April and plants will bloom first season. Flowers bell shaped; 2 to 6 ft. *H. H. P.*

2001. **Fireball.** Large, deep crimson flowers. Pkt., 15c.

2002. **Fine Mixed.** Colors, white, yellow, rose, red. Pkt, 10c.

ADONIS.

Showy border plants of easy culture; fine cut dark green leaves.

2038. **Aestivalis.** (*Flos Adonis.*) Scarlet, 1 ft. *H. A.* Pkt., 5c.

2040. **Autumnalis.** (*Pheasant's Eye.*) Crimson, 1 ft. *H. A.* Pkt., 5c.

2041. **Vernalis.** Large yellow flowers; blooms early in the Spring. 9 in. *H. P.* Pkt., 10c.

ACROLINIUM.

ACROLINIUM.

Elegant border plants; the flowers are called "everlasting," which, when cut before fully open, dry without falling or changing color; 1 ft. Treat as *H H A*

		Per pkt.			Per pkt.
2007	**Album, fl. pl.** Single, white.	.05	2022.	**Roseum, fl. pl.** Double, rose.	.10
2012.	**Album, fl. pl.** Double, white.	.10	2023.	**Mixed Colors.** Single	.05
2017.	**Roseum.** Single, rose.	.05	2024.	**Mixed Colors.** Double	.10

ADLUMIA CIRRHOSA or "MOUNTAIN FRINGE."

2032. A free growing biennial climber, with fine cut green leaves. Flowers very numerous; pale pink. It does best in moist soil; 15 ft. *H. B.* Sow seed in May where to remain and they will bloom the following season. Pkt., 5c.

AGERATUM.

These produce a profusion of bloom of beautiful compound flowers. Much used in borders and valued for bouquet making. *H. A.*

2046. **Imperial Dwarf.** Dark, purplish blue; 9 in. Pkt, 5c.

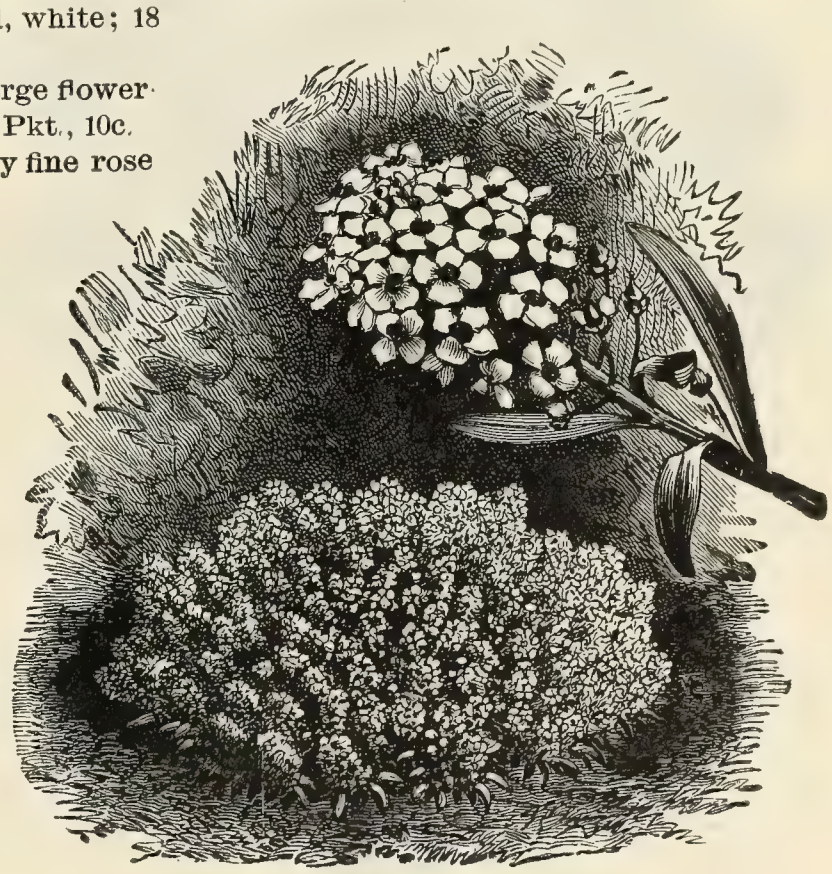
2047. **Imperial Dwarf.** White, very pretty; 9 in. Pkt, 5c.

2048 **Mexicanum.** Tall, blue; 18 in Pkt., 5c

2049. **Mexicanum.** Tall, white; 18 inches. Pkt, 5c.

2050. **Swanley Blue.** Large flowering, charming variety. Pkt., 10c.

2051. **Lasseauxai.** Very fine rose flowers. Pkt., 5c.



ALYSSUM.

ALYSSUM.

A beautiful plant for beds or edgings, and useful in all kinds of small bouquets. It is a favorite for pots and baskets.

2068. **Maritimum.** (*Sweet Alyssum.*) White. Requires a rich soil. *H A.* 6 in. Pkt., 5c.

2069. **Wierzbeckii.** Flower blended white and yellow. 1 ft. *H. P.* Pkt, 5c

2079. **Maritimum Compactum.** A charming dwarf variety with erect flowers. *H. A.* Pkt, 5c.

ALTHAEA (See Hollyhock.)

AMARANTHUS.

Showy, rapid growers, with splendid colored foliage, very effective decorative plants. Sow the seed early and set out last of May or in June *H. H. A.*

2076. **Bicolor Ruber.** Foliage scarlet and orange; 3 ft Pkt., 5c.

2077. **Candatus.** (*Love Lies Bleeding.*) Flower spikes long, pendant crimson; 3 to 4 ft. Pkt, 5c.

2078, **Cruentus.** (*Prince's Feather.*) Feathery; spikes scarlet; 3 ft. Pkt, 5c.

AGERATUM MEXICANUM.

2080. **Henderi.** Brilliant crimson, with yellow foliage; 2 feet. Pkt., 5c.

2081. **Melancholius Ruber.** Foliage dark crimsom; standard sort; 3 ft. Pkt, 5c

2082. **Princess of Wales.** Foliage beautiful mixture—carmine, orange green and yellow; 3 ft. Pkt, 10c

2083. **Salicifolius.** (*Fountain Plant.*) Leaves long, twisted, scarlet and purple; 4 ft. Pkt, 5c,

2084. **Tricolor.** (*Joseph's Coat.*) Foliage bright red, yellow and green; desirable; 2 ft. Pkt., 5c

AMMOBIUM.

Pretty half hardy annuals, useful for fresh or dried bouquets. Best to start in greenhouse, hot-bed or box, or sow in garden middle of May.

2091 **Alatum.** Pretty, white single. Pkt. 5c.

2092. **Alatum Grandiflorum.** White, double, beautiful. Pkt., 5c.

AMPELOPSIS VEITCHII.—(Japanese or Boston Ivy.)

2146. A hardy perennial woodbine climber from Japan. It fastens itself by rootlets to the surface of anything upon which it is trained, and needs no support; this habit makes it especially adapted for covering walls, old trees, arbors, etc. Leaves small, deeply cut, olive green, changing to bright scarlet in autumn; 50 ft. *H. P.* Pkt., 10c.

For prices on plants see Plant List.

ANTIRRHINUM.—(Snapdragon.)

One of the most showy and useful border plants. Does best in rich, rather dry soil. Slightly covered with leaves, it will survive the winter. Treated as an annual it should be started early in a hot-bed or box in house, and it will then bloom the first year. *H. H. P.*

2123. **Majus Album.** White; 2 ft. Pkt., 5c.
2124. **Majus.** Best tall varieties, mixed colors; 2 ft. Pkt., 5c.
2125. **Nanum.** Best dwarf varieties, mixed, *P.* 1 ft, Pkt., 5c.

AQUILEGIA.—(Columbine.)

Very handsome, early spring flowers. *H. P.*

2134. **Alba.** Double white: 2 ft. Pkt., 5c.
2135. **Californica Hybrida.** Red and yellow; 2 ft. Pkt., 10c.
2136. **Chrysantha.** Golden yellow; excellent: 2 ft. Pkt., 10c.
2137. **Coerulea.** Single long spurs, blue and white; superior; 2 ft. Pkt., 10c.
2138. **Single.** Finest mixed: 2 ft. Pkt., 5c.
2139. **Double.** Best mixed: 2 ft. Pkt., 5c.

ARGEMONY.—(Prickly Poppy.)

An interesting ornamental annual.

2161. **Grandiflora.** Flowers pure white, in form of a poppy: 2½ ft. *H. A.* Pkt., 5c.

ARTEMISIA GRACILIS.

2171. Flowers inconspicuous, foliage ornamental and fragrant; useful to mingle with cut flowers. *H. A.* Pkt., 5c.

ASTERS.

THE Aster is one of the most useful among annuals; is a universal favorite for bedding and for pot culture. By sowing very early in hot-bed or box, and replanting outside, it may be had in its great beauty from July till hard frost. The best flowers produce but few seeds, hence "the highest priced seeds are the cheapest." Of the many strains of Asters, from personal trial we have selected what practical growers consider the best for garden show and for cut flowers. Plants should have ample room in the seed box, and when planted out in good soil require to be not less than eighteen inches to two feet apart for the tall sorts, and twelve to fifteen inches for the dwarfs. Our seeds are imported direct from the different originators, They are of the highest grade, strictly fresh, and true to name. We are confident a careful trial of them will pay the professional or amateur gardeners.

JEWEL ASTER.

New Aster--BALL or JEWEL.

Three very handsome varieties of a new and magnificent class of Asters, which were obtained from the well-known large flowering Pæony Perfection tribe. Similar, but somewhat dwarfer in habit than the latter, it distinguishes itself at first sight by its beautiful short-petaled and perfectly round flowers, which may be compared to the finest of the incurved class of Chrysanthemums. The plants attain a height of about 20 to 24 inches; the fully developed flowers measuring from 2½ to 3 inches across, are as round as a ball and being borne on long stalks, they will prove very useful for cutting.

2179. **Apple Blossom.** Delicate pink. Pkt., 15c.
2180. **Deep Rose.** Fine color. Pkt., 15c.
2181. **Rose and White.** Very handsome variety. Pkt., 25c.

"Snowball" or Princess Aster.

(White.)

2185. This is the first variety of an entirely new class which, from the very build of its flowers, is as beautiful as it is distinct. In form they are semi-spherical and composed of quite short and very thickly set imbricated petals. It has originated from the "Mignon" Aster, introduced some years ago, and to which it exactly corresponds both in habit and height. A single plant develops as many as 30 pure white flowers which, by reason of their refined and faultless form may be utilized with the greatest advantage for all purposes for which white cut flowers are in request, more especially as they remain longer in good condition than any others, and last, but not least, the "Snowball" Aster is excellent for pots. Pkt., 25c.

DWARF CHRYSANTHEMUM-FLOWERED Aster.

The largest of the dwarf varieties in size of flower; 9 inches.

2190. **Mixed Colors.** Pkt., 5c.
2190*a*. **A Collection of 6 Distinct Colors.** 1 Pkt. each, 40c.

COCARDEAU or CROWN-FLOWERED ASTER.

2191. Center of flowers white, with brilliant self colors outside; 2½ ft. Pkt., 10c.

PEARL ASTER.

A new semi-dwarf race, with numerous large flowers of fine form; 1 ft.

2196. **White.** This variety of the Pearl is certainly a pure pearl white. Pkt., 15c.
2197. **Bright Rose.** A beautiful shade of rose. Pkt., 15c.

NEEDLE ASTER.

This has large, very double flowers; the petals are in the form of quills or tubes.

2238. **Choice Mixed.** Several colors. Pkt., 10c.

PRINCE OF WALES ASTER.

2198. A new and fine shade of crimson; good form; 1½ ft. Pkt., 15c.

TRIUMPH ASTER.

2199. This is a triumph in littleness and beauty; each plant is a bouquet, about 8 inches high, made up of a dozen to twenty gracefully bending branches, each bearing a single flower, from 2½ to 3 inches across; its color is deep scarlet at opening, changing as the flower matures to a satiny scarlet. Pkt., 15c.

ASTERS.==Continued.

COMET ASTER.

Very fine new class. Flowers of the largest size; extremely double, similar to those of the Japan Chrysanthemum. 1½ ft.

2192. **Pink Bordered White.** Strikingly beautiful and unique. Pkt., 20c.

2193. **Deep Rose.** Pure rose flowered variety Pkt., 20c.

2194. **Light Blue.** A magnificent, bright, light blue. Pkt., 20c.

2195. **WHITE. (Novelty.) Very large, pure white and surprisingly beautiful.** Pkt., 50c.

TRUFFAUT'S PÆONY PERFECTION ASTER.

These have long been recognized as a standard strain for ornament or use; 1½ to 2 ft. The flowers are distinguished for large size and their beautiful incurved petals. The desirable varieties are:

2201. **Pure White.** Much used by florists. Pkt., 10c.

2202. **Rose.** A bright shade. Pkt., 10c.

2203. **Gravelotte.** Deep blood red, most striking. Pkt., 10c.

2206. **Light Blue.** A soft and pretty shade. Pkt., 10c.

2207. **Dark Blue.** While dark not dull, desirable Pkt., 10c.

2208. **Dark Crimson.** A deep, rich color. Pkt., 10c

2209. **La Superbe.** Sky-blue, tipped white, admirable. Pkt. 10c.

2210. **Mixed Colors.** Our own mixture. Pkt., 5c.

2211. **Collection of Six Distinct Colors.** Pkt., 40c.

VICTORIA ASTER.

VICTORIA ASTER.

By many this fine Aster is considered the standard of perfection; the flowers are very large, perfectly double, nearly globular in shape, having the center petals very long; 1¾ to 2 ft.

2212. **White.** Very pure when mature; fine for florists. Pkt., 15c

2214. **Rose.** An attractive shade. Pkt., 15c.

2220. **Light Blue.** A fine shade. Pkt., 15c.

2221. **Dark Blue.** Not excelled for its color. Pkt., 15c.

2226. **Carmine.** Very fine. Pkt. 15c.

2227. **Crimson.** A rich deep shade. Pkt., 15c.

2232 **Mixed Colors.** None but the best shades used. Pkt., 15c

2237. **Collection of Six Distinct Colors.** Pkt., 50c.

ZIERNGIEBEL'S DOUBLE WHITE ASTER.

2239. This is a new strain, claimed to be a cross between Victoria and Truffaut's, combining the best points of both parents; flowers large, pure white, and globular in form, the best for florists' use. Pkt., 10c.

MIGNON ASTER.

2240 **Pure White.** Resembles the Victoria variety in height and form, but in flowering even excels that free-blooming sort. The flowers are of fine form, purest white, and keep a long time fresh. Acknowledged to be one of the finest white Asters for cutting Pkt., 10c

COMET ASTER.

GIANT EMPEROR ASTER.

2241. Flowers excel all others in size, pyramidal in form. Finest colors, mixed; 2 feet. Pkt., 10c.

DWARF BOUQUET ASTERS.

Charming class, 8 in. high.

2396.	**White**	Pkt. 5c.	2263.	**Pink**	Pkt. 5c.
2397.	**Crimson**	" 5c.	2245.	**Dark Blue**	" 5c.

2246. **Mixed Colors.** Pkt. 5c.

SPECIAL MIXED ASTERS.

Selected from the various classes, to include the leading varieties and colors.

2398. **Dwarf Sorts.** A splendid mixture for pot culture or bedding. Pkt., 5c

2399. **Tall Sorts.** A splendid mixture of long stem asters, indispensable for boquets and general floral work. Pkt., 5c.

ACACIA.

2401. **Finest Mixed.** Pretty half hardy perennial shrubs for the conservatory, bearing their bright colored flowers in large clusters. 3 to 6 feet. Pkt., 10c.

ACONITUM.

2402. **Napellus.** (*Monk's Hood*). Hardy perennials with handsome dark blue flowers. Height 3 to 4 feet. Pkt., 5c.

AGROSTEMMA.

Handsome free flowering plants, very neat for borders and also useful for cut flowers. If planted closely in beds they thickly cover the ground with a constant profusion of flowers; 1 to 2 ft. *H. A.*

2403. **Finest Mixed.** Pkt., 5c.

ANAGALLIS.

2405. Handsome dwarf plants with large. bright flowers, known also under the name "Poor Man's Weather Glass," good for borders; 1½ ft. *H. H. A.* Pkt., 5c.

ARABIS.

2410. **Alpina.** A very early spring flowering, hardy perennial with pure white blossoms. Excellent for rock work, etc.; ¾ ft. Pkt., 5c.

AURICULA.

Dwarf growing plants, bearing the magnificent colored flowers in umbels, very popular in European gardens; ½ ft. *H. P.*

2412. **Finest Mixed.** Pkt., 10c.

ASPERULA.

2413. **Azurea Setosa.** A dwarf annual bearing many clusters of little light blue or lavender, sweet scented flowers; 1 ft. *H. A.* Pkt., 5c.

ANEMONE. (Windflower.)

Flower in early fall. Easily raised from seed. The bulbs may be taken up and stored away during winter like Dahlias.

2414. **Mixed Colors.** Pkt., 10c.

ACHIMENES.

2415. **Finest Mixed.** Splendid greenhouse plants, showy flowers of white, crimson, blue etc.; 1 ft. *T. P.* Pkt., 25c.

BALSAMS.—LADY SLIPPER, TOUCH ME NOT.

The common Balsam of our gardens has long been a favorite, and by the care and attention given it the last few years it has been greatly improved. The flowers are most brilliantly colored, very large and extra double. Sow seed in seed beds, and transplant into rich soil and keep well watered to produce the largest and best double flowers *A* The leading shades of color are:

2242. **DOUBLE ROSE-FLOWERED.** Very double; full centre; fine form. The best Balsams for florists; many colors, mixed. Pkt., 10c.

IMPROVED CAMELLIA-FLOWERED BALSAM.

2243. **Scarlet.** Fine shade. Pkt., 10c
2244. **Crimson.** Dark and bright Pkt., 10c
2249. **White.** Very pure and very double. Pkt., 10c.
2254. **Yellow.** Light lemon yellow, very fine shade. Pkt., 10c.
2255. **Striped, Spotted and Flesh-colored.** Mixed Pkt., 10c
2260. **SOLFERINO BALSAM.** White, spotted and striped with lilac and scarlet, very fine Pkt., 10c.
2262. **MIXTURE OF FINEST DOUBLE SORTS.** Pkt., 5c.

IMPROVED CAMELLIA-FLOWERED BALSAM.

BALLOON VINE or LOVE IN A PUFF.

A very pretty, free-growing, annual climber. Needs trellis support. It is remarkable for its inflated membranous somewhat triangular capsules

2386. **Hallicacabum.** Flowers not conspicuous *H A* Pkt., 5c

BAPTISIA AUSTRALIS.

2264. A native American plant, entirely hardy and perennial. Has a showy terminal spike of bright blue pea-shaped flowers; 3 to 4 ft. Pkt., 5c.

BEGONIA.

Tuberous Rooted. Well known, ornamental foliage plants Though greenhouse plants, they do well in the house or the open ground in summer; the new tuberous rooted varieties are best adapted to garden culture. The seed should be sown in February or March; plants will bloom in three to four months from sowing the seed. After the frost kills the tips in the early fall, the bulbous roots should be lifted and kept over winter in a warm place, same as the Dahlia. *T. P*

2266. **Single.** Some of these flowers are very large, being 3 to 4 inches in diameter; desirable Pkt., 25c.

2267. **Double.** Choice mixture; magnificent strain of double. Pkt., 25c.

For Begonia Bulbs, see List of Bulbs.

BELLIS PERENNIS

BELLIS PERENNIS. (Double Daisy.)

A well known early flowering *H. H. P.*, that can be wintered by slight covering. Sow seed very early. It does best in a rather moist, rich soil, partially shaded Well grown it is fine for borders; 6 inches

2272. **Double White.** Saved from choicest double flowers. Pkt., 10c.
2273. **Best Double Mixed.** Pkt., 10c.
2278. **Longfellow.** Extra large rose colored flowers Pkt., 10c
2279. **Snowball.** The finest double white, large flowered and long stemmed; valuable for cutting. Pkt., 15c.

BOCCONIA.

Very showy plants. The foliage is large, abundant and finely cut. It should be grown in pots or as single plants on the lawn, or centers of beds

2285. **Japonica.** This is the only hardy species of the genus; and this is benefitted by covering the roots in winter; 4 ft *H. P.* Pkt., 10c

BROWALLIA.

This is a South American *H. H. A* The varieties are all beautiful and free flowering; 1½ ft.

2297. **Elata Grandiflora.** Large flowered; blue. Pkt., 5c.
2298. **Elata Alba.** White; very pretty. Pkt., 5c
2300. **Roezli.** Flowers blue with white throat; twice the size of others Pkt., 10c.
2301. **Mixed.** Pkt., 5c.

CACALIA. (Tassel Flower.)

Showy and free flowering plants, with tassel-shaped flowers. Easily grown; 1½ ft. *H A*

2307 **Aurantiaca.** Golden yellow; pretty Pkt. 5c
2308. **Coccinea.** A bright scarlet, and very attractive. Pkt. 5c
2309. **Mixed Colors.** Pkt., 5c.

CALAMPELIS.

This is an evergreen climber of much merit. Its name means *pretty vine.* Should be planted quite early in a warm, sunny place, where it will grow 10 feet on a trellis or pillar, and flower freely in August. It strikes easily from cuttings. It can be wintered in a pit or greenhouse, though it is generally treated as an annual.

2314. **Scabra.** The flowers are bright orange colored and and numerous. Pkt., 10c.

CALANDRINIA.

Mostly dwarf growing plants, flowering best in the bright sunshine, in light, dry soil; splendid for edging. *H. H. A.*

2320. **Umbellata.** Bright crimson; plant early; ½ ft. Pkt. 5c

CANARY BIRD FLOWER.

2373. A rapid growing climber. Bright yellow, fine, 10 ft. Pkt., 10c.

CALCEOLARIA.

This genus contains many showy species and cultivation has produced many handsome hybrids Suitable for the greenhouse and conservatory They are mainly *T P*

2325 **Grandiflora.** Very choice mixed colors; 1½ ft. Pkt . 25c

2326. **Grandiflora Pumila.** COMPACTA Dwarf; self colors fine mixed; 1 ft. Pkt.. 25c

2327. **Rugosa.** Shrubby sort; for bedding when shaded from noonday sun; 1¼ ft. Pkt . 25c

CALENDULA. (Pot Marigold.)

Profuse bloomers; splendid for garden or pot culture Several of them very useful for florists

2333. **Pongei, fl. pl.** Double white Pkt.. 5c

2334 **Meteor.** Double; flowers light orange, striped. Pkt . 5c

2339. **Prince of Orange.** Double; darker orange than Meteor Pkt 5c

2344 **Ranunculoides.** (*Garden Marigold*) Double orange, fine Pkt 5c

2349 **Superba.** Double rich yellow, dark eye Pkt., 5c.

CANDYTUFT. (Iberis.)

This genus has several showy, useful and quite hardy varieties; 1 ft.

CANDYTUFT.

2366 **Carter's Carmine.** A very desirable *A*. Pkt . 5c.

2367 **Dunnett's.** A rich shade of crimson. *A*. Pkt. 5c

2368. **Empress.** Large, white; extra fine. *A*. Pkt 10c

2369. **Giant White.** Popular among Boston florists. *A* Pkt., 10c.

2370. **Fragrant White.** A standard sort; highly useful *A*. Pkt., 5c.

2371. **Mixed.** *A*. Pkt , 5c.

2372. **Sempervirens.** White; very early. *H. P.* Pkt., 10c.

CARDIOSPERMUM. (See Balloon Vine.)

CARNATION PINK. (See Dianthus.)

CELOSIA or COCKSCOMB.

Free-flowering, attractive plants, producing their flowers in rounded heads, combs and feathery spikes. Better to start in a box or greenhouse, and plant out last of May. *H. H. A.*

2380. **Christata.** Tall, crimson, showy; 2 ft. Pkt., 10c.

2382. " Dwarf, crimson, fine; 1 ft, Pkt., 10c.

2384. " Mixed sorts. Pkt., 5c.

2385. **Huttoni.** Crimson, dark ornamental foliage; 2 feet. Pkt.. 10c

2386. **President Thiers.** (*Glasgow Prize.*) Very fine dwarf sorts, with large crimson combs, finest for pots. Pkt., 10c.

"GOLDEN YELLOW" JAPAN BRANCHED COCKSCOMB.

2383 In habit this is the same as the favorite crimson variety, forming a pyramidal branched plant about two feet high, —each branch being surmounted with finely ruffled comb—of bright, golden yellow. Pkt., 25c.

2400 **PYRAMIDALIS PLUMOSA, Mixed.** Magnificent annual with charming, feathery heads of various and striking colors. 1 ft. Pkt.. 10c.

CANTERBURY BELL.

CAMPANULA or CANTERBURY BELL.

A genus of exceedingly beautiful annuals and perennials, all of which are characterized by richness of color and profusion of bloom. Desirable for garden or house culture. The biennial variety is the well known Canterbury Bell.

2350. **Carpatica.** A hardy herbacious perennial; single, blue; pretty; ½ ft *A* Pkt . 5c

2351. **Carpatica Alba.** Similar to preceding; white; ½ ft. *A* Pkt., 5c.

2352. **Medium.** (*Canterbury Bell.*) Double Rose. *H. B.* 2½ Pkt , 5c

2362. **Medium.** Double, white. *H. B.* 2½ ft Pkt., 5c.

2363. **Medium.** Double, blue. *H. B.* 2½ ft. Pkt.. 5c.

2364. **Medium.** Double and single, mixed. *H. B.* 2½ ft. Pkt.5c

2365. **Medium.** Calycanthema. Flowers large, beautiful colors, resembling in shape somewhat a cup and saucer. *H. B.* ½ ft. Mixed. Pkt., 10c.

CANNA.

This is a sub-tropical genus worthy of general cultivation It is propagated by division of fleshy roots and from seed They are classed as *H H P* Flower the first year from seed if planted early, say March or April Winter like the Dahlia

2375. **Fine Mixed Seeds,** producing different colored foliage. 4 to 8 ft. Pkt . 15c

2376. **Crozy's.** Best mixed, from best named varieties; 4 to 8 ft. Pkt., 15c.

(*For Canna Roots see List of Bulbs and Roots*)

CELOSIA OR COCKSCOMB.

CENTAUREA. (Bachelor's Button and Sweet Sultan.)

All pretty for flowers or foliage

2377. **Cyanus, fl. pl.** (*Double Cornflower.*) By continual strict observations and selection of seed in cultivation, a *double variety of this universal favorite has been produced* with many colors mixed. Pkt., 25c.

2387. **Cyanus.** (*Bachelor's Button. Cornflower.*) Mixed, many shades of color. *H. A.* The National flower of Germany. Pkt., 5c.

2388. **Moschata.** (*Sweet Sultan.*) Mixed colors; 2 ft. *H. A.* Pkt., 5c

2389. **Candidissima.** (*Dusty Miller.*) Silver leaved foliage, broader and whiter than the others; 1 ft. *H. H. P* Pkt, 10c.

2390. **Clementei.** Finely cut silver leaves, and very white; 1 ft. *H. H. P.* Pkt., 10c.

2391. **Gymnocarpa.** Silver-leaved, tallest and most graceful; 1½ ft. *H. H. P.* Pkt., 10c.

CHEIRANTHUS. (See Wallflower.)

CINERARIA.

Mainly greenhouse plants. The seed should be sown in September or October for winter and early spring blooming

2444. **Hybrida Grandiflora** Mixed seeds from the very best varieties; 1½ ft Pkt., 25c.

2445. **Hybrida Grandiflora Nana.** New dwarf, large flowering Pkt., 25c

2446 **Plenissima.** Double, showy, fine colors Pkt, 25c.

2447 **Maritima.** Also known as "Dusty Miller" Used for ribbon planting, vases, etc. Silvery foliage, hardy and striking, 1 ft. *P* Pkt., 25c.

2448. **Maritima Candidissima.** A variety of the preceding, but pure white; 1 ft. *P.* Pkt., 25c.

CLARKIA.

Well known favorite hardy annuals; fine for beds and bouquets; thrive best in cool shady places; 1 ft.

2455. **Single.** Many colors mixed Pkt., 5c.

2460. **Double.** Many colors mixed. Pkt., 5c.

CENTAUREA CYANUS.

CHRYSANTHEMUM.

The demand for these showy and useful flowers is increasing very rapidly. They bloom freely during the summer and until late in the fall, making a splendid display in flower beds; very useful for pot culture. Succeeds best in rich loam, well dressed with rotten manure.

2425. **Coronarium Sulphureum.** Yellow, double; fine for cutting; 1½ ft. Pkt., 5c.

2426. **Double Album.** Almost pure double white; 1½ ft. Pkt., 5c.

2427 **Lord Beaconsfield** Crimson maroon, edged with gold, fine; 1½ ft. Pkt., 5c.

2428. **Segetum Grandiflorum** Single, deep, rich yellow, very fine; 1½ ft Pkt, 5c

2429. **Golden Gem.** A beautiful single, with crimson and golden circles; 1¼ ft. Pkt., 10c.

2430. **Eclipse.** Pure golden yellow, with a bright, purplish scarlet ring or centre on the rayflorets, the disk being dark brown; very striking. Pkt., 10c

2431. **Chinese.** Mixed, double, large-flowered; most desirable for pot and greenhouse culture; 2 ft. *H. H. P.* Pkt., 20c.

2432. **Chinese Pompon.** Flowers smaller than the preceding, very abundant; 2 ft. *H. H. P* Pkt., 10c.

2433. **Japanese.** Long loose petals, flowers very large, exceedingly beautiful; 2 ft. *H. H. P* Pkt., 10c.

2434. **Frutescens or Paris Daisy.** (*White Marguerite.*) Very useful for florists; 2 to 3 ft. *H. H. P.* Pkt., 10c.

The roots of the Chinese and Japanese may be wintered in the open ground by careful covering with leaves, evergreen, brush or horse bedding

COBÆA SCANDENS.

COBÆA SCANDENS.

2478 A most beautiful evergreen climber bearing large, purple, bell shaped flowers Flowers freely the first year, from seed The seed should be planted in March, in the house, about ½ inch deep, placing the seed edgewise, in light soil A well established plant will often grow 20 to 30 feet in one season. Can be wintered in a pit or frame. *H. H. P.* Pkt., 10c.

COLLINSIA.

Sown in the garden early in spring or late in the fall; they bloom freely during the summer; splendid for bordering; very showy; 1 to 2 ft. *H. H. A.*

2494. **Finest Mixed.** Pkt.5c

COREOPSIS or CALLIOPSIS.

COREOPSIS or CALLIOPSIS.

Very showy, beautiful flowering plants; mainly hardy annuals; 1 to 2 ft.

2511. **Atkinsoni.** A beautiful biennial; blooming the first season. Yellow and brown; 2 ft. Pkt., 5c.

2512. **Bicolor.** Golden yellow; centre brown; 1½ ft. Pkt., 5c.

2513. **Coronata.** Yellow crown flower; 1 ft. *A.* Pkt., 5c.

2514. **Drummondii.** Yellow and red; very fine; 1½ ft. *A.* Pkt., 5c.

2515. **Nigra.** Darkest of any; 1½ ft. Pkt., 5c.

2516. **Annual Sorts.** Mixed. Pkt., 5c.

2517. **Biennial and Perennial Sorts.** Mixed; 3 ft. Pkt., 10c.

CLEMATIS.

This genus contains many desirable sorts; mostly climbers. The seeds germinate slowly; better to soak them for two or three days before planting. *H. P.*

2466. **Flammula.** Flowers numerous, white, fragrant; 15 to 20 ft. Pkt., 10c.

2467. **Virginaria.** (*Virgins' Bower.*) Flowers greenish white, numerous, desirable. Pkt., 10c.

2468. **Large Flowering, Mixed.** (*Jackman's.*) Flowers 3 to 4 inches across, of charming shades of blue, white, purple, etc. Pkt., 25c.

(*For Clematis Plants see list of Hardy Climbing Plants.*)

CLIANTHUS.

Very showy half hardy shrub, with beautiful foliage and numerous clusters of long drooping flowers. Wintered in a pit or greenhouse and planted out in summer, it is very attractive. *T. P.*

2449. **Dampieri.** Numerous pea-shaped flowers; bright scarlet, black centre; 3 ft. Pkt., 25c.

CLITORIA.

A beautiful greenhouse climber that produces large, light blue pea-shaped flowers. Flowers first season from seed. *T. P.*

2473. **Cœlestis.** An evergreen twiner. Pkt., 10c.

COLEUS.

Tender perennials that are readily grown from seed, or strike freely from cuttings. Splendid for bedding. Cultivated largely for the striking beauty and endless varieties of their richly colored foliage of maroon, green, crimson, yellow, etc.

2493. **Finest Varieties in Mixture.** 1 to 2 ft. Pkt., 25c.

2495. **New Large-Leaved Varieties.** Very large and superbly variegated foliage; mixed. Pkt., 50c.

Convolvulus Major. (Morning Glory.)

The varieties we grow are hardy annuals; 12 to 15 ft.

2504. **Crimson.** Quite dark; very rich color. Pkt., 5c.

2505. **Rose.** A pretty shade of rose pink. Pkt., 5c.

2506. **White.** Beautiful clear color. Pkt., 5c.

2507. **Striped.** Light purple, striped white. Pkt., 5c.

2508. **Blue.** Pkt., 5c.

2509. **All Colors Mixed.** Per ounce, 20c; pkt., 5c.

CONVOLVULUS MINOR. (Dwarf Morning Glory.)

These are dwarf growing trailers very pretty and desirable for bedding. Flowers about two thirds the size of the Morning Glory, brilliantly colored and remains open all day if pleasant, 1 ft. *H. A.*

2510. **Finest Mixed.** Pkt., 5c.

2518. **Mauritanicus.** Bright blue; fine for baskets and vases. Pkt., 10c.

CYCLAMEN.

Beautiful plants for pot culture, admired for their elegant foliage and beautifnl flowers, rose, red, white and spotted. They are perennial tubers of easy growth. Requires fine mold soil, kept rather moist, but not flooded. Seeds sown early will bloom following winter. 1 ft.

2525. **Persicum.** Best varieties, mixed. Pkt., 25c.

2526. **Persicum Giganteum.** A distinct strain of extra large magnificently colored flowers, strong growers, beautiful leaves, many shades of flowers, best varieties and colors, mixed; ½ ft. Pkt., 50c.

CYPRESS-VINE. (Ipomea Quamoclit.)

2527. Popular climbing plant, with delicate fern-like foliage; star-shaped flowers born in clusters; separate colors, scarlet, white, rose and mixed. *T. A.* Each pkt., 5c.

COSMOS.

Plants 4 to 6 ft. high, with fine foliage; the flowers resembling the single Dahlia, though smaller, of all shades of rose, purple and pure white, are abundant late in the fall—September to November. Started in early April in a box, and planted out in May, they will flower before frost, and if taken inside will flower freely, until first of December; fragrant. *A.*

2522. **Best Colors Mixed.** Pkt., 10c.

CUPHEA.

Excellent border or house plants, growing readily and blooming freely. *A.*

2529. **Platycentia.** (*Cigar Plant.*) Flowers scarlet, tipped with black. Pkt., 10c.

DAHLIA.

The grandest autumn flowers; endless varieties of shades. The fleshy roots should be stored in winter in a dry, frost-proof cellar, and covered with nearly dry sand or loam. They flower freely the first year from seed, if started in March, potted when of suitable size and planted out the last of May in deep, rich soil; 2 to 4 ft. *H. H. P.*

2538. **Large-Flowering Double.** Saved from choice kinds. Pkt., 10c.

2540. **Pompon Double.** Saved from the choicest small flowers. Pkt., 15c.

2541. **Single Mixed.** From the best flowers. 10c.

(*See Bulb List for Dry Roots—large stock of selected varieties.*)

CYCLAMEN

DATURA. (Trumpet Flower.)

Very nice showy border plants, with large, white, purple-tinted trumpet shaped flowers. Grow bushy and flowers late in fall. The roots can be preserved in a cellar like Dahlia roots. *A*

2544. **Humilis.** Double yellow; 3 ft. Pkt., 5c.
2549. **Wrighti.** White, changing to lilac; 3 ft. Pkt. 5c.
2550. **Mixed.** Choicest varieties; 3 ft. Pkt., 5c.

DAISY, DOUBLE. (See Bellis.)

DELPHINIUM. (Larkspur.)

Vigorous plants with showy flowers of many colors; suitable for large beds on lawns; or for masses and mixed borders they are unsurpassed.

ANNUAL VARIETIES.

2567. **Double Branching.** Mixed; 1½ ft. Pkt., 5c,
2568. **Candelabrum Dwarf Double.** Beautiful shades of mixed colors; 1 ft. Pkt., 5c.
2569. **Dwarf Rocket.** Mixed, very pretty; 1 ft Pkt, 5c
2570. **Tall Rocket.** Mixed, fine; 1½ ft. Pkt., 5c
2571. **Emperor.** Fine compact plant with long spikes of brilliant double flowers; many colors mixed. Pkt., 5c
2574. **Choice Mixed.** Double; 1 to 1½ ft. Pkt., 5c.

PERENNIAL VARIETIES

2579. **Formosum.** (*Larkspur.*) Dark rich blue with a white centre; 2 ft. Pkt., 5c
2584. **Nudicaule.** Scarlet, dwarf, abundant bloomer, fine for rockeries, flower beds or pot culture; 1 ft. Pkt. 10c.
2589. **Chinensis Grandiflorum, fl. pl.** Fine, double blue. Pkt., 15c.
2590. **Zalil** One of the most beautiful hardy perennials, lovely lemon yellow in long spikes and lasting in flowers from June till August; 4 ft. Pkt., 25c.
2594. **Choice Double and Single Mixed.** Pkt., 10c.

DATURA.

DIANTHUS. (PINKS. CARNATION PINKS.)

A very showy and useful family of plants for bedding and cut flowers. Free bloomers of easy culture. In fragrance and neat appearance this genus is not equaled.

MARGARET CARNATION. (*Dianthus Caryophyllus, fl. pl.*)

2609. The popularity and usefulness claimed by us last season for this new variety has surpassed all expectations; no novelty of recent introduction has gained so many admirers in so short a time They bloom in four months from time of sowing, giving about 80 per cent. of double flowers. If taken up and potted before frost they will continue to bloom during winter. Pkt., 50c.

2613. **China Pinks.** Double mixed, very pretty. *A.* Pkt., 5c.
2614. **Heddewigi Diadematus, fl. pl.** (*Double Diadem Pink.*) Finest colors, mixed *A* Pkt, 10c

CARNATION PINK

2615. **Heddewigi Laciniatus, fl. pl.** Double Fringed Pink. Finest colors, mixed. *A.* Pkt., 10c.
2616 **Heddewigi, Single Mixed.** The best colors. *A.* Pkt., 5c.
2617 **Heddewigi Albus, fl. pl.** Fine double, white. *A* Pkt., 5c.
2618. **Plumarius** (*Pheasant's Eye Pink.*) Fringed, with dark centres. *H. F* Pkt 5c.
2623. **Plumarius, fl pl.** (*Hardy Garden Pink.*) Finest double, mixed colors *H F* Pkt., 10c.
2624 **Imperialis** (*Imperial Pink.*) Best double strain. *A.* Pkt., 5c.
2634. **Caryophyllus.** (*Carnation Pink.*) **Best Varieties of Tree,** for florists' use. *H. H. P.* Pkt., 50c.
2635. **Caryophyllus. Good German Mixed.** *H. H. P.* Pkt., 25c.
2641. " **Fine Mixed,** for borders. *H. H. P.* Pkt., 10c.
2646. " **Picotee Pink.** Choice mixed. *H. H. P.* Pkt., 15c

DIANTHUS BARBATUS. (See Sweet William.)

PHEASANT'S EYE PINK.

DICTAMNUS.

DICTAMNUS.—(Fraxinella.)

Showy, hardy, herbaceous perennials; leaves and flowers, when lightly rubbed, emit a lemon odor. Soak the seeds before planting in the early spring.

2652. **Mixed,** red and white, 2 ft. Pkt., 10c.

DIGITALIS.—(Fox-glove.)

Showy, hardy biennials of easy culture. In a rich loam and partial shade they excel.

2655. **Splendid Mixture,** 3 ft. Pkt., 5c.

DOLICHOS.—(Hyacinth Bean.)

A well-known climber, producing both large white and bright colored flowers. Seeds and pods edible, 8 ft.

2657. **Mixed Colors.** Pkt., 5c.

ECHINOCYSTIC.—(See Wild Cucumber.)

CALIFORNIA POPPY

ERYTHRINA CRISTA-GALLI.—(Coral Tree.)

A showy *h. h.* shrub from Brazil. Many large scarlet flowers terminate every branch. Winter in pit or cellar.

2665. **Crista-galli** is the only species cultivated. Very beautiful. Pkt., 25c.

ESCHSCHOLTZIA.—(California Poppy.)

Bright, showy flowers; *h. a.*, saucer-shaped, very free summer bloomers.

2671. **Californica Yellow.** Bright, with orange centre; 1 foot. Pkt., 5c.

2672. **Californica Alba.** White. Pkt., 5c.

2673. **Crocea, fl. pl.** Double orange-colored flowers. New; 1 foot. Pkt., 5c.

2674. **Crocea Alba, fl. pl.** White. Pkt., 5c.

2679. **Fine Mixed.** Pkt., 5c.

EUPATORIUM.

Hardy herbaceous perennial; fine white; useful for bouquets.

2681. **Fraseri Alba.** Much used for cut flowers; 1½ feet. Pkt., 5c.

EUPHORBIA.

Has one fine annual called Snow on the Mountain; remarkable for its showy flower bracts.

2682. **Marginata.** Beautiful; each involucre has a wide edge of white. Pkt., 5c.

FORGET-ME NOT.

(Myosotis.)

Well known family of beautiful little plants bearing small flowers in numerous clusters. They thrive best in moist soil. *H. P*

2683. **DISSITIFLORA.** A very early and free-blooming variety with large light blue flowers. A favorite with florists. Pkt., 15c.

2684. **Victoria.** Grows about 6 inches high, forming perfectly round plants, covered with lovely azure blue flowers. Its general usefulness as a pot plant or for cutting makes it a universal favorite. Pkt., 15c.

2685. **Alpestris.** Blue. Valuable for bedding or borders. 1 ft. Pkt., 5c.

2693. **Robusta Grandiflora.** New; large flowers; pyramidal habit; very fine. Pkt., 10c.

2694. **Azorica.** Dark blue; splendid; ¾ ft. Pkt., 10c.

FEVERFEW. (See Pyrethrum.)

FOX-GLOVE. (See Digitalis.)

FOUR O'CLOCK. (See Mirabalis.)

GLAUCIUM OR HORN POPPY.

2703. **Corniculatum.** A graceful plant with silvery foliage; very showy; 1½ feet. Pkt., 5c.

GLOBE AMARANTH.—(See Gomphrena.)

GLOXINIA.

A genus of tuberous-rooted greenhouse plants, that have beautiful bell-shaped flowers. *T. p.*

2704. **Mixture of Finest Sorts.** ½ foot. Pkt., 25c.

GODETIA.

Very handsome, showy, free flowering; single annuals. Succeed in any soil.

2705. **Bijou.** Pure white with rose colored eye. Pkt., 5c.

2706. **Lady Albemarle.** Brilliant crimson. Pkt., 5c.

2707. **Lady Satin Rose.** Bright deep rose. Pkt., 5c.

2708. **The Bride.** White with carmine centre. Pkt., 5c.

2709. **Finest Mixed.** Will give satisfaction. 1 foot. Pkt., 5c.

GNAPHALIUM.—(Edelweiss.)

2710. **Leontopodium.** This is a pretty, hardy perennial plant of the Alps, that is a great favorite among travelers. The leaves and flower stalks are covered with a short white woolly down; flowers white; petals fringed. ¼ foot. Pkt., 10c.

GOMPHRENA.—(Globe Amaranth.)

Fine, showy, everlasting flowers. Useful for winter decorations. As the seeds germinate slowly, it is better to start early in the house, and water the soil with warm water. 1½ feet.

2711. **Globosa Alba.** White. Pkt., 5c

2712. " **Aurea Superba.** Orange. Pkt., 5c.

2713. " **Rubra.** Red. Pkt., 5c.

2714. " **Fine Mixed Colors.** Pkt., 5c.

GOURDS.

Climbers of rapid growth bearing curious shaped fruits; start the seeds in the house and plant out as soon as danger of frost is over; 20 to 30 ft. *A.*

2715. **Cylindrica.** Long, cylindrical fruit. Pkt., 5c.

2716. **Coccinea.** Flowers white; fruit scarlet. Pkt., 5c.

2717. **Bottle Gourd.** Formerly used for water dippers. Pkt., 5c.

2718. **Pear-shaped.** Small, green, with white stripes. Pkt., 5c.

2725. **Dish Cloth Gourd.** Large yellow flowers. Pkt., 10c.

2719. **Sugar Trough.** Holds more than a gallon when well grown. Pkt., 5c.

GOURDS.

2720. **Mixture of Best Ornamental Sorts.** Pkt., 5c.

GAILLARDIA. (Blanket Flower.)

One of the prettiest flowers of the garden. Very nice for bedding and for cut flowers.

2696. **Grandiflora Superba.** Showy sort; 2 ft. Pkt., 5c.

2697. **Picta Lorenziana.** (*New Double Gaillardia.*) Mixed colors; fine. Pkt., 5c.

2698. **Mixed, Single.** Choice varieties. Pkt., 5c.

GERANIUM. (Pelargonium.)

In extensive use for bedding in borders and masses. Started early will flower the first year from seed. *H. H. P*

2699. **Apple Scented.** Very fragrant foliage; a favorite. Pkt., 25c.

2700. **Mixed, Double.** Choice colors. Pkt., 25c.

2701. **Mixed, Single.** Taken from select flowers. Pkt, 10c.

GILIA.

2702. **Mixed Colors.** Free blooming plants of dwarf habits; valuable for rock work. Sow early in open ground and thin out to 8 inches. *H. A* Pkt, 5c.

GRASSES, ORNAMENTAL. (See Index.)

GYPSOPHILA.

Full of numerous small flowers that are almost indispensable in forming a graceful bouquet.

2721. **Elegans.** White; 1½ ft. *A.* Pkt., 5c.

2722. **Paniculata.** White; 2 ft. *P.* Pkt., 5c.

HELIANTHUS. (Sunflower.)

Large, majestic plants, very effective for back ground decoration. Hardy annuals that often reproduce themselves from self-sown seed.

2723. **Californicus, fl. pl.** Very double and large; 6 ft. Pkt. 5c

2724. **Nanus.** A dwarf, double sort; fine; 3 ft. Pkt., 5c.

2732. **Globosus Fistulosus.** Flowers enormous; globe shape; superior. Pkt., 5c.

2733. **Multiflorus.** Profuse bloomer; new Pkt., 5c

2734. **Mixture of Many Sorts.** Oz., 15c.; pkt., 5c.

(*For Helianthus Multiflorus Plenus see List of Hardy Plants.*)

HELICHRYSUM. (Everlasting.)

Flowers large and double, in different shades of white, yellow or crimson; useful for dried bouquets. Should be planted in rich soil, early in the spring; 1 to 2 ft. *H. A.*

2740. **Monstrosum, fl. pl.** Mixed double varieties; very fine *H. A* Pkt., 5c.

2741. **Monstrosum, fl. pl. Dwarf Sorts,** Mixed, double, highly desirable. Pkt., 5c.

HELIOTROPE.

A great favorite for bedding and pot culture The flowers form graceful trusses and are deliciously fragrant. *T. P.*

2742. **Dark Varieties.** Finest mixed Pkt., 10c.

2743. **Rose Tinted and Light.** Pkt., 10c

2748. **White.** Pkt., 10c

HELIPTERUM. (Everlasting.)

One of the prettiest everlastings. Cut the flowers before quite open and hang them up in dry place and they will hold their brilliant yellow color for years. *H. H. A.*

2753. **Sanfordi.** Requires a light, dry soil; 1 ft. Pkt., 5c.

HIBISCUS.

Showy and ornamental plants; large flowers.

2754. **Africanus.** Buff, with maroon centre; 2 ft. *A.* Pkt., 5c.

2755. **Palustris Roseus.** Rose. *P.* Pkt., 5c.

HUMULUS JAPONICUS. (Japanese Hop.)

2756. Hardy annual climber of very rapid growth. The foliage is luxuriant. The finely cut dark green foliage combined with the rapid growing habit of this climber makes it one of the most useful for covering verandas, trellises, etc. Stands drought and heat, retaining its beauty until frost. Pkt., 10c.

HONESTY. (Satin Flower.)

The silvery centres of the seed pods make the Satin flowers very attractive and ornamental. *H. B.*

2772. **Lunaria Biennis.** Lilac-colored flowers; 2 ft. Pkt., 5c.

HOLLYHOCK.

(ALTHEAS.)

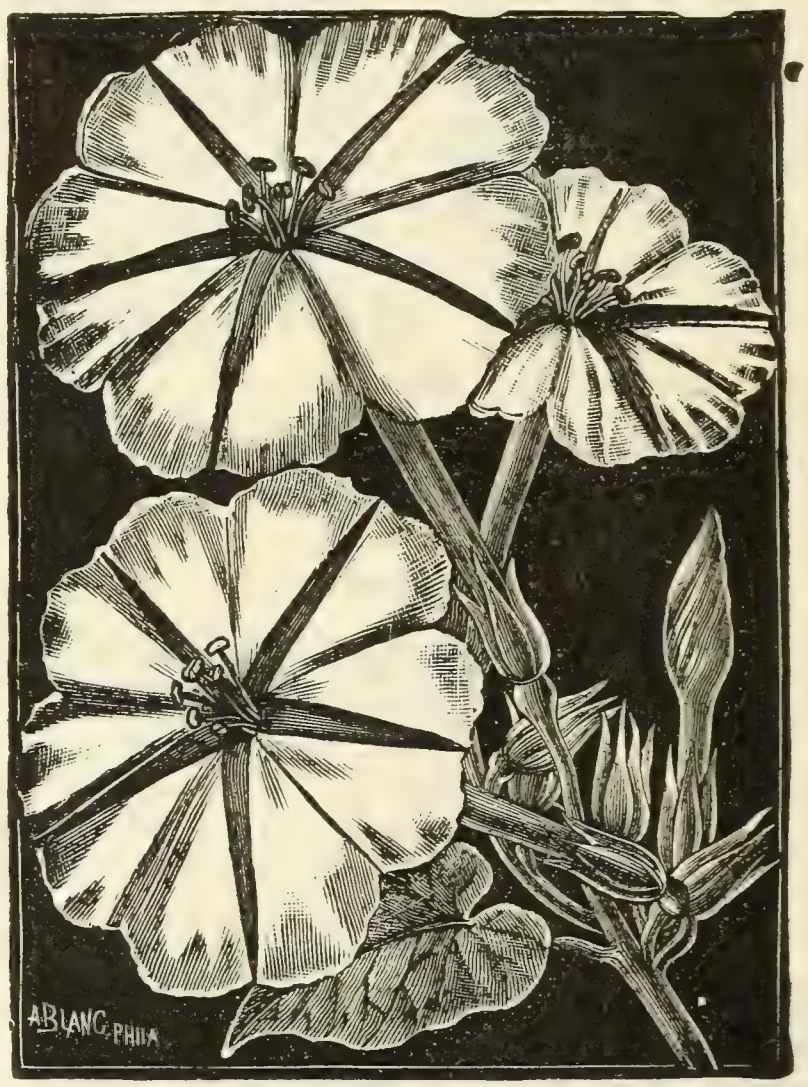
This is not only one of the most popular but also one of the most handsome and effective biennials, and should be given a place in every garden. The spikes grow 4 to 5 feet high and are well set with the most delicate colored flowers of 3 to 4 inches diameter. Our seed has been saved from the choicest specimens only. Sow in June and the plants will bloom the following summer.

2765. **Double White.** Pkt., 10c.
2766. " **Crimson.** Pkt., 10c.
2767. " **Salmon.** Pkt., 10c.
2768. **Double Pink.** Pkt., 10c.
2769. " **Yellow.** Pkt., 10c.
2770. " **Maroon.** Pkt., 10c.

2771. **One Pkt of each of above 6 Colors Separate,** 50c.

2772. **Double Prize Strain Mixture.** Pkt., 10c.

(*For Roots see List of Plants and Roots.*)



MOONFLOWER

IPOMOEA.

Climbing plants that are distinguished for their neat foliage and showy and beautiful flowers. *A*

2851. **Ipomœa Noctiflora** **(TRUE MOON FLOWER OR EVENING GLORY.)** This is a magnificent climber and produces a large number of clear white, very fragrant flowers, from 4 to 6 inches in diameter. Start in the house and plant out after danger of frost is passed. Pkt., 15c.

2855. **New Hybrid Moonflower.** Flowers are larger than the regular Moonflower and will bloom about 30 days earlier; they are pure white, measuring from 5 to 7 inches across. Pkt., 10c.

2854. **Bona Nox.** Very large, pale lilac flowers, opening in the early evening. Pkt., 5c.

(*For Plants see Plant Department.*)

IBERIS. See Candytuft.

Impatiens Sultani.

A native of Africa, blooming almost continuously. The beautiful colored flowers are of waxy like, delicate appearance. The easy culture and vigorous growth make it a great favorite as a house or garden plant.

2775. **Sultani.** (*African Balsam.*) Flowers rosy carmine Pkt., 15c.

2776 **Sultani hybrida.** A novelty from Belgium. It produces lovely flowers of very numerous shades of color, varying from the most delicate pink to the deepest red. Pkt., 50c.

ICE PLANT.
(Mesembryanthemum.)
Beautiful dwarf-growing plants with waxy-like foliage and lovely little flowers. Splendid for rock work and hanging baskets.
H. H. A.

2773. **Crystallinum.** The whole plant covered with ice-like secretions; flowers purple. Pkt., 5c

2774. **Cordifolium Variegatum.** The light colored leaves make this variety very attractive for ribboning. Pkt., 10c.

ICE PLANT.

IPOMOPSIS. (Standing Cypress.)

2857. Beautiful, hardy biennial, throwing up a long spike covered with bright orange-red flowers; 3 ft. Pkt., 5c.

LAGENARIA. (See Gourd.)

LARKSPUR. (See Delphinium.)

LATHYRUS ODORATUS. (See Sweet Pea.)

LAVENDULA. (English Lavender.)

2933. Grown for the sake of its delightful fragrance. *H.H.P.* Pkt., 5c.

LINARIA CYMBALLARIA. (Kenilworth Ivy.)

2934. Beautiful trailer, with neat foliage and numerous small, lavender-colored flowers. Fine for baskets. *P.* Pkt., 5c.

LINUM.

A beautiful, large flowering phlox. Very neat and attractive for massing. Sow either in hot bed or open ground and transplant to 1 ft. apart.

2935. **Grandiflorum Rubrum.** Brilliant dark scarlet; one of the best; 1 ft. *H. A.* Pkt., 5c.

2936. **Perenne.** Mixed, best varieties; 1½ ft. *H. P.* Pkt., 5c.

LOPHOSPERMUM.

Ornamental greenhouse climber with large purple flowers, blooms the first year from seed; 10 ft. *H. H. A.*

2950. **Scandens.** Flower rosy purple, resembling the Foxglove; desirable for baskets, vases, etc. Pkt., 10c.

LUPINUS. (Lupin, Sundial Beam.)

Showy plants, easily grown; furnish long spikes of gay-colored flowers, 2 to 3 ft.

2952. **Tall Varieties, Mixed.** Per oz. 25c.; pkt., 5c.

2954. **Dwarf Varieties, Mixed.** 1 ft. Pkt., 5c.

Lobelia.

The cultivated herbaceous Lobelias have graceful foliage and beautiful flowers. The larger are used for baskets, vases, etc., and the dwarf for pots, borders and carpet bedding. They flower freely the first year from seed. *T. P.*

2937. **Erinus. Emperor William.** (*Blue King.*) Very low and compact, light blue, fine. Pkt. 10c.

2938. **Erinus. Crystal Palace Compacta.** Azure blue, very compact. Pkt., 10c.

2939. **Speciosa.** Bright blue; for hanging baskets or vases. Pkt., 5c.

2943. **Erinus. Gracilis.** Blue; best for vases and hanging baskets. Pkt., 10c.

2945. **Erinus. Paxtoniana Mannorata.** Blue and white. Pkt., 10c.

2946. **Erinus. White Pearl.** Dwarf; flowers white. Pkt., 10c

2947. **Erinus. ROYAL PURPLE.** A splendid new variety with dark foliage and rich blue flowers marked with white eye. Pkt., 10c

2948. **Cardinalis.** (*Cardinal Flower.*) Bright scarlet; splendid, hardy herbaceous perennial; 2 ft. Pkt., 10c.

2949. **Fulgens. Queen Victoria.** Dark scarlet flowers; dark leaves; very showy; 3 ft. *H. H. P.* Pkt., 10c.

LUNARIA. (See Honesty.)

LYCHNIS. (Ragged Robin.)

Hardy perennials of easy culture; very showy and attractive in mixed borders.

2955. **Chalcedonica. Scarlet.** Fine heads; 2 ft. Pkt., 5c.

2956. **Chalcedonica Alba.** White; 2 ft. Pkt., 5c.

2958. **Fulgens.** Brilliant scarlet; 1½ ft. Pkt., 5c.

2959. **Senuo Striata.** Striped white and crimson; 2 ft. Pkt., 10c

MARVEL OF PERU.
(FOUR O'CLOCK. MIRABILIS.)

Robust growing plants producing pretty red, white and yellow blossoms, marbled and spotted in the most diversified manner. *H. A.*

2974. **Fine Mixed Colors.** 2 ft. Per oz., 25c.; Pkt., 5c.

2975. **Dwarf.** Flowers snow-white; ¾ ft. Pkt., 5c.

MESEMBRYANTHEMUM. (See Ice Plant.)

MIMOSA PUDICA. (Sensitive Plant.)

2984. A very interesting plant; the finely cut, fern-like leaves closing if touched or shaken. Pkt., 5c.

MOMORDICA.

Suitable for trellis or rock work. Foliage ornamental; fruit bright orange, bursting when ripe and exposing its bright red seeds and carmine flesh.

2980. **Balsamina.** (*Balsam Apple.*) Rapid grower; 10 ft. Pkt. 5c.

2981. **Charantia.** (*Balsam Pear.*) Fruit large, fleshy, 4 to 6 inches long; 10 ft. Pkt., 5c.

MARIGOLD. (TAGETES.)

Old time favorites of the garden. The flowers are very double and make a splendid effect in mixed beds or borders; useful as pot plants also. The easy culture and extreme showiness should secure them a prominent place in every flower garden. *H. H. A.*

AFRICAN MARIGOLDS.

2961. **Eldorado.** Double; flowers of extra large size, varying in shades from a primrose yellow to a deep orange. A very robust grower and great bloomer; 3 ft. Pkt., 5c.

2962. **Double Lemon Shades.** 3 ft. Pkt., 5c.

2964. " **Orange.** 3 ft. Pkt., 5c.

2965. " **Mixed.** 3 ft. Large and very double varieties. Pkt., 5c.

FRENCH MARIGOLDS.

2967. **Patula Nana Pulchra.** Dwarf habit; good for bedding; petals tipped shading to brown; 1 ft. Pkt., 5c.

2968. **Dwarf Gold Striped.** Flowers regularly striped with golden yellow and maroon. Pkt., 5c.

2970. **Choice Mixture of Dwarf Sorts.** Pkt., 5c.

(*For Pot Marigold see Calendula.*)

MARIGOLD.

MIGNONETTE. (RESEDA.)

These lovely little favorites are so commonly known among lovers of flowers that any further description is unnecessary. If sown in open ground as soon as weather permits it will furnish deliciously fragrant flower-spikes from July until late in fall, being one of the hardiest annuals in cultivation.

2985. **Giant White Spiral.** (*Reseda Alba.*) Forms heavy spikes from 12 to 15 inches long, pure white, splendid for house culture Can be started any time during the year in pots. Pkt., 5c

2986. **Gabriele.** Very fine, robust; excellent for pots; red-flowered. Pkt., 5c

2992 **Grandiflora** Large-flowered, sweet. Pkt., 5c.

2993 **Golden Queen.** Flowers of a golden shade, very fragrant. Pkt., 10c

2994 **Diamond** White flowering, fragrant dwarf and compact grower Pkt., 10c.

2995. **MACHET.** Spikes very long and broad; flowers red; excellent for pots. We recommend our true French strain. Pkt., 10c.

2996. **Mile's Spiral** Plant dwarf, branching habit. Flowers white, very fragrant. Spikes 8 to 12 inches long. Pkt., 10c

2997. **Extra Choice Mixture.** Pkt., 5c.

MIMULUS. (Monkey Flower.)

Pretty pot plants, suitable for bedding also; with charming flowers, spotted and blotched in the richest colors. Do best in moist soil and shaded places They are half hardy perennials but usually treated as *A.*

3001. **Moschatus.** (*Musk Plant.*) Small yellow flowers The foliage emits a strong musky perfume. Pkt., 10c.

3002. **Tigrinus.** Striped and spotted; elegant. Extra mixed. 2 ft. Pkt., 10c

3012. **Tigrinus, fl. pl.** New double varieties in mixed colors; pretty. Pkt., 20c

3017. **Emperor.** A lovely new hybrid of recent introduction The large and beautifully marked flowers are borne in the "Hose in Hose" style, and is not only a great favorite in pots, but does also very nicely planted out in shady places Pkt., 15c.

MOONFLOWER. (See Ipomœa.)

MORNING GLORY. (See Convolvulus Major.)

MOURNING BRIDE. (See Scabiosa.)

MUSA ENSETE. (Abyssinian Banana.)

3020. Magnificent large-leaved palm for open air in summer. Seedlings reach 10 to 15 feet the first season if frequently repotted and the pots kept plunged. Pkt., 20c

MYOSOTIS. (See Forget-Me-Not.)

MYRSIPHYLLUM. (See Smilax.)

MATHIOLA. (See Stocks.)

MAURANDIA.

The cultivated varieties are all pretty climbers of rapid growth, flowering freely the first year from seed; 10 ft. *T. A.*

3026. **Mixed.** A good collection of colors. Pkt., 10c.

MELILOTUS. (Sweet Clover.)

Sweet-scented herbs, fragrant in drying. Afford much honey to the bee

3037. **Alba.** White; flowers in a long raceme; 2 to 4 ft. Pkt., 5c.

3038. **Officinalis.** Flowers yellow; plant fragrant; 2 to 4 ft. Pkt., 5c.

NEMOPHILA.

A dwarf, neat and free-blooming hardy annual, that does best in a moist and partly shaded place. The bright colored and nicely spotted flowers look very attractive in beds and borders; ½ to ¾ ft.

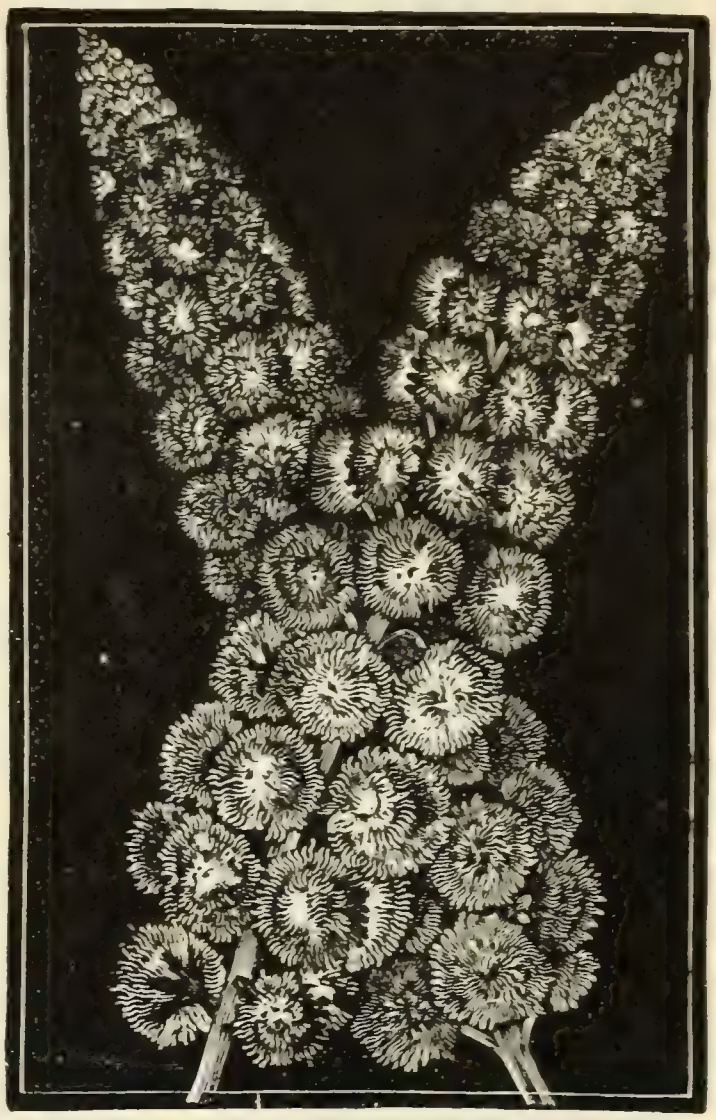
3040. **Finest Mixed.** Beautiful colors. Pkt., 5c.

3041. **Blue.** Large, deep ultramarine blue flowers, white centres. Pkt., 5c.

NOLANA

A trailing annual, with blue, white and yellow flowers, shaped like the Morning Glory. Pretty for hanging baskets and borders.

3042. **Mixed.** Fine shades of blue; 1 ft. Pkt., 5c



MIGNONETTE.

NICOTIANA.

Large, beautiful, fragrant flowers, very ornamental. *A.*

3043. **Affinis.** (*Sweet Scented Tobacco Plant.*) Produces freely deliciously scented large white tubulous flowers If taken up in fall and potted it will bloom in the house during winter; 2 ft. Pkt., 5c.

3044. **Atropurpurea Grandiflora.** Purple crimson, very showy; 4 ft. Pkt., 5c

3048. **Suavolens.** White Very fragrant; 3 to 4 ft. Pkt., 10c

NIEREMBERGIA.

Very pretty, free-flowering plants that need the same treatment as the Petunia. *H. H. A*

3053. **Frutescens.** White and lilac; very free bloomer. Pkt., 5c.

3054. **Gracilis.** White and purple Exceedingly pretty. Pkt., 5c

NIGELLA. (Love-in-a-Mist.)

A hardy, curious annual, suitable to any garden soil. Bright colors, very pretty.

3059. **Mixed Colors.** 1 ft. Pkt., 5c

3064. **Damascena Nana.** (*Devil-in-a-Bush.*) Dwarf, dark blue Pkt., 5c.

3069. **Hispanica.** (*Love-in-a-Mist.*) Light blue. Pkt., 5c.

ŒNOTHERA. Evening Primrose.

Named Evening Primrose because their flowers open just before sundown, and close before noon the next day, unless cold and cloudy They are all beautiful, mainly yellow shades; well worthy of cultivation

3071. **Mixed.** *H. A.* Pkt., 5c.

3072. **Mixed.** *H. P.* Pkt., 5c.

OXALIS.

Splendid half-hardy perennials, flowering the first season from seed. Excellent subjects either for edgings, rock-work, or for pots, baskets, or vases in the parlor or conservatory. They are of easy culture, thriving best in light, rich soil in warm, dry situations.

3077. **Tropaeoloides.** Yellow; purple foliage; a splendid plant for edgings. Pkt., 5c.

3082. **Rose.** Crenated; erect stems; 6 inches. Pkt., 10c.

3087. **Rosea Delicata.** New; a very fine variety. Pkt., 10c.

3091. **White.** Very pretty. Pkt., 10c.

(*For Oxalis Bulbs send for Fall Bulb Catalogue.*)

NASTURTIUM.

(TROPÆOLUM.)

One of our showiest and most useful annuals. The compact growth and the gorgeously colored flowers make the dwarf varieties general favorites for massing and bedding. The tall or climbing varieties are well adapted for vases, baskets, covering trellises, verandas. All Nasturtiums should be grown in rather poor soil to secure the most profuse blooming. They stand heat or drought without the slightest effect and will flower continuously until killed by frost. The seed, if picked green, make an excellent substitute for capers.

TOM THUMB VARIETIES.

		Per oz.	Pkt.
3094.	**Scarlet.**	30c.	5c.
3095.	**Rose**	30c.	5c.
3096.	**Yellow**	30c.	5c.
3097.	**Gem.** Sulphur, spotted maroon	30c.	5c.
3098.	**King of Tom Thumbs.** Crimson	40c.	5c.
3099	**Spotted**	30c.	5c.
3100.	**Ruby King.** Ruby red	40c	5c
3107	**Pearl.** White	35c.	5c.
3108.	**Beauty.** Striped yellow and red	30c	5c.
3109	**King Theodore.** Dark maroon	40c.	5c.
3114.	**Empress of India.** Brilliant crimson, dark foliage; effective	50c	5c.
3119.	**Cloth of Gold.** Golden yellow foliage, scarlet flowers	50c.	10c.
3124.	**Lady Bird.** Orange yellow, red spots		10c.

3125. **Aurora.** The lower petals of the beautiful yellow flowers are blotched deep carmine. New; very distinct. Pkt., 10c.

3126. **Mixed.** Many sorts. Per oz., 25c.; Lb., $2.00; Pkt., 5c.

TALL OR CLIMBING VARIETIES.

		Per oz.	Pkt.
3127.	**Rose**	30c.	5c.
3128.	**Orange**	30c.	5c.
3138.	**King Theodore.** Mar'n	40c.	5c.
3148.	**Yellow**	30c.	5c.
3149.	**Purple**	30c.	5c.
3150.	**Crimson**	30c.	5c.
3155.	**Chocolate**	30c.	5c
3160.	**Scarlet. Striped**	30c	5c.
3161.	**Scarlet**	25c.	5c.
3166.	**Straw. Spotted**	30c.	5c.
3167.	**Pearl.** White	50c	5c.

3168. **Scarlet and Gold.** Bright yellow foliage; flowers dark crimson scarlet; strikingly effective ..... 15c.

3169. **Mixed.** Contains many beautiful sorts Per oz., 15c.; Lb., $1.50; 5c.

COLLECTIONS OF NASTURTIUMS.

3170. **12 Pkts. Tall Varieties,** different colors, our selection, 50c.

3171. **12 Pkts. Dwarf Varieties,** different colors, our select'n. 50c.

3172. **24 Pkts. half Tall, half Dwarf** varieties, our selection, 75c.

3177. **12 Pkts. Different Colors,** our selection. (3 Lobbs Nasturtium, 6 Dwarf varieties, 3 Tall, 60c.)

Lobb's Nasturtiums.

Flowers exceedingly rich in colors, somewhat smaller than the Tall Nasturtium Splendid for hanging baskets or for trellises. Suitable also for winter decorations

3185. **Cardinale.** Dark cardinal red; superb. Pkt., 10c.

3190. **Giant of Battles.** Sulphur, spotted with red. Pkt., 10c.

3191. **Lucifer.** Very dark scarlet. Pkt., 10c.

3192. **Napoleon III.** Golden, striped carmine. Pkt., 10c.

3197. **Roi des Noirs, or King of the Blacks.** Black-brown. Pkt., 10c

3198. **Spitfire.** Brilliant scarlet. Pkt., 10c.

3199. **Several Colors Mixed.** Pkt., 10c.

PASSIFLORA. (Passion Flower.)

Highly ornamental climber of rapid growth for the conservatory or garden.

3221. **Incarnata.** Is a hardy perennial, if slightly covered in winter; beautiful. Pkt., 25c.

3223. **Coerulea.** Blue; blooms well in open ground in summer. Pkt., 10c.

3224. **Coccinea.** Vivid scarlet flowers. Pkt., 15c

3222. **Mixed.** Choice assortment of colors. *H. H. P.* Pkt., 20c

PERILLA.

Tender annuals with ornamental foliage, well adapted for ribboning

3238. **Nankinensis Atro Laciniatis.** Deep mulberry foliage; edges finely cut; 2 ft. Pkt., 5c.

3244. **Nankinensis Macrophylla.** Dark; finely cut foliage; dwarf; fine. Pkt., 5c

PORTULACCA.

This is undoubtedly one of the neatest and best adapted little annuals for rock work, baskets or beds. If sown in sunny places it will bloom in great profusion, and the abundance of the brilliant colored flowers has reserved this class a place with every lover of flowers.

		Pkt.			Pkt.
3247	**Single White**	5c.	3252.	**Double White**	5c.
3248.	" **Pink**	5c.	3253.	" **Pink**	5c.
3249.	" **Scarlet**	5c.	3254.	" **Scarlet**	5c.
3250.	" **Yellow**	5c.	3255.	" **Yellow**	5c.
3251.	" **Mixed**	5c	3256.	" **Mixed**	5c

PENTSTEMON.

Very ornamental hardy plants that make a splendid effect in borders, etc. They bloom from June until late in fall. The half-pendant bell-shaped flowers show beautiful shades of different colors. Sow in May in a cool, shady place.

3263. **Cobæa.** Large white flowers shaded with light blue, very beautiful and ornamental. Pkt., 10c

3265 **Wrighti** Bright scarlet, showy, one of the best; 2 ft. *B.* Pkt., 10c

3270 **Mixed** Best assortment of choice colors Pkt 10c

SINGLE PORTULACCA.

PANSY.

The popularity and usefulness of these lovely little plants have encouraged some of the best floriculturists to devote their time and skill for many years to the improvement of the different varieties and as a result of their earnest and successful work we can offer now a collection of Pansies that in beauty and combination of colors and immense size of flowers cannot be excelled. Our seeds are contracted direct with **Pansy Specialists** in **France, Germany, England** and **America.** The mixtures are made up under our personal supervision, and therefore *we have no hesitancy in pronouncing our strains the finest out.* Our customers of last season, from many of whom we have received complimentary letters in regard to the superiority of our flower seeds, will find some very valuable new sorts in our **Florist Mixture** this year. We have spared neither expense nor time to maintain the high standard of excellence accredited to this mixture

The seed can be sown from September to March, and in order to secure vigorous growth and largest flowers the soil should be well enriched with decomposed manure If sown in fall the plants, if slightly protected during winter, will bloom early in spring. The Pansy does best in the cool, rainy weather of spring and autumn, and plants which produce beautiful specimens during that season, show very inferior blossoms during dry, hot weather of summer

BARNARD'S FLORIST'S MIXTURE.

3296. The varieties comprising this mixture are of the richest and most brilliant shades of color, most perfectly and strikingly marked, blotched and mottled, delicately veined and margined; remarkable for perfection of form, size of flowers, profuseness of bloom and strength of growth It represents the product of experts in Pansy culture in Europe and America. Recommended by our leading florists, the most critical cultivators It will not disappoint any one wishing to secure **the very best.**

⅛ oz., $1 50; Pkt., 25c

GIANT PANSIES.

3290 **TRIMARDEAU MIXED.** Very large leaves, three blotched, and of the richest and most varied shades of color, vigorous and compact growth, enduring the heat and drought of summer better than most other varieties. The flowers are of good form and remarkable size. Pkt., 20c.

3291. **TRIMARDEAU YELLOW.** Golden yellow with rich brown blotches. Pkt., 25c.

3292. **TRIMARDEAU WHITE.** Pure white with three dark blue blotches. Pkt., 25c.

3293. **CASSIER.** The flowers, of immense size, are of the popular Odier type, being all three-spotted or five-spotted on backgrounds of very rich colors. The flowers of the Cassiers are of good substance and fine form, while the plants are of neat, compact growth. Pkt., 15c

3294. **BUGNOT'S SUPERB BLOTCHED.** Very beautiful, extra large flowers with very broad blotches, the two upper petals finely lined; yields a great diversity of the handsomest colors only. Pkt., 25c.

3295 **GIANT PANSIES IN MIXTURE.** Pkt., 25c.

PRIZE PANSIES.

3297. **Faust's King of the Blacks.** The darkest out. Pkt., 10c.

3298. **Black and Crimson.** Very fine. Pkt., 10c.

3303. **Bronze Colored.** Very showy and fine substance. Pkt., 10c.

3304. **Brown Shades.** Light and dark. Pkt., 10c.

3305. **Candidissima or Snow Queen.** Flower of a delicate satiny white, very pretty. Pkt., 10c.

3306. **Emperor William.** Brilliant ultramarine blue with purple eye. Pkt., 10c.

3311. **Fancy Red.** Reddish shades of purple from rosy to almost crimson A beauty. Pkt., 10c.

3312. **Gloriosa Perfecta.** Beautiful markings with rich, steel blue shadings over the colors. Pkt., 15c.

3323. **Golden Gem.** Pure yellow. Pkt., 10c.

Prize Pansies==Continued.

3324. **Gold Margined.** Many colored centres, margined. Pkt., 10c
3325. **Light Blue.** A beautiful, delicate shade. Pkt., 10c.
3326. **Lord Beaconsfield.** Deep purple violet, shading upwards to nearly white. Pkt., 20c.
3336. **Mikado.** Marvelous in size and richness of color. Pkt., 20c.
3337 **Odier.** Beautiful strain of five blotched flowers. Pkt., 10c.
3338. **Mottled and Striped.** Very fancy. Pkt., 10c.
3339. **Purple, White Edge.** Fine; distinctly marked. Pkt., 10c.
3358. **English Show Face Pansy.** Pkt., 10c.

6 Pkts. of Above Varieties. Your selection, 50c.
12 " " " " 80c.

PRIZE MIXTURE.

3344. The almost endless variety of charming shades of color, united with vigorous and even growth of this collection, make it one especially adapted for bedding purposes. Per oz., $5.00; ⅛ oz., 75c.; Pkt., 10c.

3345. **MIXED PANSIES.** Good shades and colors, mixed. Oz., $2.00; ⅛ oz., 30c.; Pkt., 5c.

POPPIES.

Very showy and free blooming plants, with large and brilliant colored flowers. For effective massing they are of the most desirable annuals in cultivation. A trial of the praiseworthy novelties will show the great improvements in shape and color of flowers and style of growth. Poppies are of very easy culture, any ordinary garden soil suits them. The seed must be sown where the plants are to remain, as they will not stand transplanting.

CARDINAL POPPY.

CARDINAL POPPY.

(Papaver Somniferum Nanum fl. pl. Cardinale.)

3350. The dwarf and particularly robust and compact habit of growth of this novelty renders it entirely distinct from all other double Poppies. The plant attains a height of about 18 inches and is furnished with deeply cut dark green foliage, with which 10 to 12 enormous and very double flowers of glowing scarlet, on white ground, stand out in striking contrast. The blooming period of the Cardinal Poppy is of longer duration than that of any other double annual variety, and this, coupled with the uncommon showiness of its flowers, will soon bring it into general request for the formation of highly effective beds, for enlivening mixed borders, etc. Pkt., 50c.

PAPAVER GLAUCUM.

(Tulip Poppy.)

3351. The plant rises to a height of from 12 to 14 inches and produces, well above the foliage, 50 to 60 large and splendid flowers of the most vivid scarlet imaginable. The two outer petals of the flower bear a similarity to a saucer in which are set two erect petals, of the same color, forming a pouch-like receptacle, enclosing and seemingly protecting the anthers. When the flowers begin to fade two black spots are visible at the base of the petals. From a mere description, no adequate idea can be gained of the strikingly beautiful effect presented by a bed or mass when the plants are in full bloom, the color being, seen even from afar, of such glowing richness as to perfectly dazzle the eye. The popular name "Tulip Poppy" is given it on account of its resemblance to the well-known Scarlet Duc Van Thol or Vermillion Briliant Tulips. It commences blooming early in June and flowers abundantly and in uninterrupted succession for a period of 6 to 8 weeks. This magnificent species constitutes a most valuable addition to our decorative annuals and will henceforth rank as one of the finest of them, while in its adaptability for the production of a brilliant mass of coloring and for imparting brightness to plants or flowers of somber hue, it has few equals. Pkt., 50c.

3352. **SHIRLEY.** A novelty of great merit and ranks among the very best, if not the finest variety in existence; flowers are very large, remarkably graceful and handsome. The colors are pure, soft and varied and range from blush-white, rose, delicate fawn and carmine to a bright, sparkling crimson. Pkt., 10c.

3353. **MIKADO.** One of the most charming varieties. The petals are deeply cut, fringed and twisted, like a Japanese Chrysanthemum. Flowers white, with deep scarlet edges. Pkt., 10c.

3359. **Snowdrift.** Flowers very large and perfectly double. Pure white. Pkt., 5c.
3360. **Carnation Double.** Large, showy, many colors mixed; 2 ft. Pkt., 5c.
3361. **Daneborg Single.** Brilliant scarlet flowers with white cross in centre. Pkt., 5c.
3362. **Mephisto.** Scarlet, with large black spots; attractive. Pkt., 5c.
3363. **Paeony-Flowered.** Large, very fine double flowers; mixed. 2 feet. Pkt., 5c.
3365. **Mixed.** Many fine colors. Pkt., 5c.

TULIP POPPY.

PERENNIAL SORTS

3366. **Alpinum.** Chamois or light buff; beautiful; 1 ft. Pkt., 10c.
3371. **Alpinum.** White; charming; 1 ft. Pkt., 10c.
3372. **Bracteatum.** (*Nanum Splendens.*) New; very fine. 1¼ ft. Pkt., 10c.
3373. **Croceum. Orange or Saffron.** 1 ft. Pkt., 5c.
3374. **Croceum.** (*Album Grandiflorum.*) White; new; splendid. Pkt., 10c.
3375. **Croceum, fl. pl.** Double yellow, crisped petals. Pkt. 10c.
3376. **Orientale.** Superb scarlet flowers, very large and showy. 3 ft. Pkt., 5c.

PETUNIA.

This is one of the finest and most popular flowers for either Garden or Pot Culture. We can recommend our strains as the very best that are offered, the seed having been saved from the choicest specimens only. *H. A.*

3384. **Dwarf Inimitable.** Very compact; flowers cherry-red, with white star; Pkt., 15c.

3385. **Countess of Ellsmore** Pink; white throat; good for bedding; Pkt., 5c.

3395. **Blotched and Striped.** Size, form and bright colors commendable Pkt. 10c.

3399 **Alba.** Pure white; desirable for cemetery. Pkt., 10c

3400 **Mixed.** An extra choice strain of single varieties mixed. Pkt., 10c.

3401 **Dwarf Double Compacta.** Plants bushy; flowers numerous; colors very fine; Pkt, 25c.

3402. **Extra Large Flowering. Double;** fringed, mixed, superior. Pkt. 25c.

3403. **Grandiflora Kermesina.** Rich crimson; an extra fine sort. Pkt., 25c.

3404. **Marginata.** Mixed shades, large flowers; Pkt., 25c.

PETUNIA.

PHLOX.

Exceedingly showy and beautiful flowers for massing or mixed borders. They produce immense trusses of large, brilliant flowers, blooming continuously throughout the summer *H A*

PHLOX DRUMMONDI GRANDIFLORA.

The large flowering varieties show a decided improvement in size, shape and color of the flowers over the old sorts.

3420. **Pure White**.....Pkt., 10c.

3421. **Rosy Carmine.** White Eye .....Pkt., 10c.

3422. **Elegans.** Margin from Rose to Crimson, with very large white eye.... ... Pkt, 10c.

3423. **Blood Red**.....Pkt., 10c.

3424. **Chamois Rose**..Pkt., 10c.

3429. **Mixed.** A very fine mixture, containing all the leading colors.....Pkt., 10c.

3434 **"Star of Quedlinburg."** The centre of each petal runs out into a point one-quarter to one-third of an inch beyond the edge, which gives the flowers a *regular, star-like form.* The plant grows about 1½ feet in height, of compact habit, and bears large umbels of flowers. Pkt., 10c.

PHLOX DRUMMONDI NANA COMPACTA.

The dwarf and compact growth make this sort very desirable for ribbon bedding and pot culture. Height, 6 to 9 inches.

3439. **Pure White** Pkt., 10c.

3444. **Red.** Striped white. Pkt., 10c.

3445. **Delicata.** Blush rose, Pkt., 10c.

3450 **Rose.** Pkt, 10c.

3451. **Blood Red.** Pkt., 10c.

3452. **All Colors Mixed.** Pkt., 10c.

HARDY PHLOX.

Their magnificent flowers make these herbacious perennials especially valuable for permanent beds and borders.

3457. **Large Flowering Hybrids—Mixed.** Pkt. 10c.

(*For Plants of Hardy Phlox see List of Hardy Plants.*)

PHASEOLUS. **(See Scarlet Runner Bean.)**

PINKS. **(See Dianthus.)**

PRIMULA.

Very beautiful and desirable perennial plants for pot culture, for winter and spring flowering. Sow in February or March in very fine, light soil. Pot into thumb-pots, shift two or three times during the summer, and keep in a cool, moist, partially shady place, and success is sure.

CHINESE PRIMROSES.

SINGLE, LARGE FLOWERING, FRINGED VARIETIES.

3476. **White**.....Pkt., 25c.

3477. **Red**..... Pkt., 25c.

3482. **Crimson**..... .Pkt., 25c.

3483. **Mixed**.... ....Pkt., 25c.

DOUBLE, LARGE FLOWERING, FRINGED VARIETIES.

3484. **White**. ....Pkt., 50c.

3489. **Red**.. ..... Pkt., 50c.

3494. **Mixed.** Pkt., 50c.

PRIMULA OBCONICA.

3495. An ever-blooming Primrose, with very fragrant, pale blue-colored flowers, borne in umbels on long stems. If sown early it will bloom by the end of May and will continue for about nine months. It is one of the most useful pot plants for the window, and if planted out makes a very attractive border plant. Pkt. 10c.

PYRETHRUM.

Includes handsome plants with ornamental foliage, very useful for ribboning *H. H. P.*

3460 **Aureum** (*Golden Feather.*) Bright yellow foliage. Pkt., 10c

3465. **Golden Gem** Double white flowers; foliage golden yellow Pkt., 10c

3466. **Selaginoides.** Furnished with finely cut bract leaves; very neat Pkt., 10c

HARDY FLOWERING VARIETIES.

Useful for permanent beds, bearing large white, pink or crimson colored flowers Protect slightly during severe weather.

3471. **Single large flowering hybrids, mixed.** Pkt. 10c

3472. **Double** " " " " Pkt., 25c

RHODANTHE.

Elegant, half-hardy annual, suitable for pot and garden culture. These well-known everlasting flowers are very useful in bouquets. 1 ft.

3500. **Maculata. Alba.** White; 1 ft. Pkt. 5c.
3502. **Rosy Purple.** With crimson centre. Pkt., 5c.
3503. **Maculata, fl. pl.** New double; bright rosy carmine; very fine. Pkt. 10c.

RICINUS. (Castor Oil Plant.)

Rapid growing, stately plants, with very ornamental foliage and showy fruits. They are splendid for sub-tropical effects, either planted singly on the lawn, or in centre of a Canna or Caladium bed.

3504. **Borboriensis Arboreus.** Tree-form, very large; 12 to 15 ft. Pkt. 5c.
3506. **Sanguineus.** Beautiful dark foliage; very showy leaves. Pkt. 5c.
3507. **Giganteus.** Immense foliage, deep green; 15 ft Pkt. 5c
3508. **Gibsoni.** Dark purple stem and leaves; highly ornamental. Pkt. 5c.
3509. **Mixed.** Many sorts; good. Pkt., 5c.

RAGGED ROBIN. (See Lychnis.)

RESEDA. (See Mignonette.)

SALVIA.—(Flowering Sage.)

Handsome bedding and pot plants, having long flower spikes of brilliant colors. *H. H. P.*

3510. **Argentea.** Silvery foliage and white flowers; 2½ ft. Pkt. 5c.
3511. **Coccinea Hybrida.** Dark crimson, dwarf; 1 ft. Pkt. 5c.
3512. **Patens.** Deep blue; almost new; 2 ft. Pkt., 15c.
3513. **Splendens.** Bright scarlet; most showy and popular sort; 3 ft. Pkt. 10c.

SALPIGLOSSIS. (See Coreopsis.)

SMILAX. (Myrsiphyllum.)

3532. **Asparagoides.** This is the most useful greenhouse climber known; foliage small, glossy-green, flowers small, white, very fragrant. *T. P.* 8 to 10 feet. New crop seed, per oz., $1.50. Pkt., 10c

SENSITIVE PLANT. (See Mimosa.)

SOLANUM.

3533. **Capsicastrum.** (Jerusalem Cherry.) A small house and greenhouse shrub, with abundance of pretty green leaves, and it bears an annual crop of round scarlet fruit that remains an ornament for a long time; 2 ft. Pkt., 10c.

STATICE.

Free-blooming plants, with small everlasting flowers.

3537. **Annual Varieties.** Good mixtures. Pkt., 5c.
3538. **Half Hardy Perennial Varieties.** Mixed. Pkt., 5c.
3539. **Hardy Perennial Varieties.** Best mixed. Pkt., 5c.
3540. **Suworowi.** New; long spikes of fine pink flowers; beautiful. *A.* Pkt., 10c.

SNAPDRAGON. (See Antirrhinum.)

SWEET SULTAN. (See Centaurea.)

SWEET WILLIAM.

(Dianthus Barbatus.)

Well known old favorites with brilliant colored sweet-scented flowers, very attractive in beds or planted among shrubbery.

		Pkt.			Pkt.
3541.	**Single Scarlet,**	5c.	3544.	**Double Crimson**	10c.
3542.	" **Pure White,**	5c.	3549.	" **White**	10c.
3543.	" **Mixed**	5c.	3550.	" **Mixed**	10c.

SCABIOSA. (Mourning Bride.)

One of our most attractive summer flowering plants, bearing beautiful colored flowers; excellent for cutting.

3518. **Candidissima.** Double white flowers; useful; 1½ ft. Pkt. 10c.
3519. **Major, fl. pl. Tall Double.** Fine mixture of the best varieties. *A.* Pkt., 5c.
3520. **Nana, fl. pl. Dwarf double.** Choice colors mixed. *A.* Pkt., 5c.
3521. **Caucasica.** Hardy Scabiosa. Lovely pale blue flowers, 3 to 4 inches across, very useful for cutting; 2 to 3 feet. Pkt., 10c.

SCABIOSA.

SCARLET RUNNER BEAN.

3524. A well-known favorite climber; with brilliant scarlet flowers, fragrant; 12 feet. Pkt. 10c.

SEDUM. (Stonecrop.)

Interesting little plants of easy culture. Good for baskets, rock-work, etc.

3525. **Finest Mixed.** ¼ foot. Pkt., 10c.

SILENE. (Catchfly.)

Dwarf growing little annuals, blooming very freely in any ordinary garden soil. The bright colored flowers are very attractive.

3526. **Armeria.** Fine mixed, several shades. Pkt., 5c.
3527. **Pendula. Double White.** Pkt., 5c.
3528. **Pendula. Double Rose.** Dwarf compact; pretty. Pkt., 5c.

STOCKS. (TEN WEEKS STOCKS.)

The bright-colored, fragrant flowers have made these plants exceedingly popular for garden and pot culture. The seeds may be sown in the open ground in May; if started in the house or cold frame transplant as soon as danger of frost is over. *We contract our seed with a European grower that has a world-wide reputation as the most successful Ten Weeks Stock raiser.*

LARGE FLOWERING GERMAN TEN WEEKS STOCK.

(DWARF DOUBLE ERFURT STRAIN.)

		Pkt.			Pkt.
3556.	**Pure White**	10c.	3560.	**Wallflower-Leaved**	10c.
3557.	**Rose**	10c.	3561.	**Canary**	10c.
3558.	**Light Blue**	10c.	3562.	**Mixed**	10c.
3559.	**Crimson**	10c.	3563.	**Collection of Six Distinct Colors**	30c.

3564. **Snowflake.** Pure white, large spike of enormous flowers. Splendid for forcing; ¾ ft. Pkt., 15c.

CUT AND COME AGAIN.

(*Princess Alice. White Perfection.*)

3566. A perpetual bloomer; flowers double; perfectly pure white and well formed. Valuable for bouquets. Pkt. 10c.

3570. **Brompton, Emperor Stock,** Strong growing. Flowering in winter or early spring. Much admired. Mixed. *B.* Pkt. 10c.
3571. **Intermediate or Autumnal.** Finest double, mixed sorts. Pkt. 10c.
3572. **East Lothian.** Late autumnal-flowering; very fine. Pkt. 15c.

SWEET PEAS.

(LATHYRUS ODORATUS.)

No other family of flowers is more popular in the garden, either for covering walls and trellises, or forming hedges, than the lovely Sweet Peas. *They furnish us with the most charmiug cut flowers that have become universal favorites for personal wear and for vases.* Sow as early as possible in well prepared, rich soil, in trenches about 6 inches deep and cover not over an inch. As they grow, fill in the soil a little at a time, being careful not to cover the plants. Give plenty of moisture; 6 ft

Eckford's Large Flowering Varieties.

Eckford's magnificent strain, combining all the latest improvements in colors and fragrance cannot be to highly praised The flowers attain double the size of the ordinary Sweet Pea and show the most beautiful and wonderous marking. The varities we offer below can justly be called the "Gem Collection," embracing the most perfect and distinct sorts.

3580. **Mrs. Sankey.** Large pure white flowers, a decided improvement on whites, very grand. Pkt., 25c.

3581. **Primrose.** A near approach to the Yellow Sweet Pea, quite novel and distinct in color, the standards and wings pale primrose yellow. Pkt, 25c.

3582. **Princess Victoria.** Standards dark cerise, the wings mauve pink and slight lines of rose; very pretty and attractive. Pkt., 5c.

3583. **Empress of India.** Clear rosy pink standards and white wings; large and very pleasing. Pkt., 15c.

3584. **Monarch.** Bronzy crimson standards, with rich deep blue wings; a very large and striking variety. Pkt., 15c.

3585. **Senator.** A large, bold flower; finely expanded standards, shaded and striped chocolate on creamy ground; a lovely variety. Pkt., 15c.

3586. **Appleblossom.** Bright rose, wings appleblossom. Pkt., 10c.

3587. **Boreathon.** Rich bronze, crimson wings, purple shaded with rose. Pkt., 10c.

3588. **Cardinal.** Deep scarlet; very pretty. Pkt., 10c.

3589. **Duchess of Edinburgh.** Scarlet, flushed crimson, marbled at the edges with white, wings deep rose. Pkt, 10c.

3590. **Isa Eckford.** A lovely variety, flowers bluish white shaded with carmine. Pkt., 10c

3591. **Orange Prince.** Fine orange pink, wings rose, very handsome and effective. Pkt., 10c

3592. **Princess Beatrice.** Fine rose. Pkt., 10c.

3593. **Princess of Wales.** One of the most perfect and beautiful varieties. White ground, shaded and striped with mauve. Pkt., 10c.

3594. **Splendor** Rich pinkish rose, shaded with crimson. A gem. Pkt., 10c.

3595. **The Queen.** Light rosy; wings light mauve; exquisite. Pkt., 10c.

3596. **Eckford's Special Mixture.** Containing all the leading varieties. Pkt., 10c.

Collections of 6 named varieties of Eckford's Large Flowering Sweet Peas, 50c. Ten varieties, 75c. Entire collection, 16 varieties, $1.10.

SWEET PEAS.

MISS BLANCHE FERRY.

3626. Produces immense pink flowers of a deeper and richer color than Painted Lady. It is about ten days earlier and holds longer in bloom. Pkt., 10c.; oz., 40c.

NELLIE JANES.

3627. Pure pink and white (very distinct from Painted Lady) the earliest Sweet Pea and one of the most profuse bloomers. A decided favorite with Chicago florists. Pkt., 10c.; oz., 30c.

3633. **Vesuvius.** Flowers very large; lower petals shaded lilac; upper bright rose with dark spots. Pkt., 10c.

3644. **Invincible Carmine.** Intense crimson carmine, distinct from Scarlet Invincible. Pkt., 10c.

3645. **Adonis.** Entire flower bright rosy, distinct from any old sort. Pkt., 5c.

3646. **Scarlet Invincible.** Entire flower brilliant scarlet. Pkt., 5c. Oz. 20c.

3648. **Purple.** Deep rich shade; wings bluish purple. Pkt., 5c. Oz., 20c.

3649. **Painted Lady.** Old, but one of the best. Pink and white. Pkt., 5c. Oz., 20c.

3650. **Crown Princess of Prussia.** Shaded light lilac and rose. Pkt., 5c. Oz., 20c.

3651. **Butterfly.** Entirely white, except border of lavender blue. Pkt., 5c. Oz., 20c.

3652. **Black.** Odd but showy. Pkt., 5c Oz., 20c.

3653. **Alba.** White; much used by florists. Pkt., 5c. Oz., 20c

3654. **Choice Mixed.** Per oz. 10c.; ¼ pound. 30c.; pound, $1.00.

TAGETES. (See Marigold.)

THUNBERGIA.

A genus of ornamental climbers that grow rapidly and flower freely. Give a warm place and light, rich soil; 4 ft. *H. H. A.*

3585. **Alata Alba.** White, with dark eye; fine; 5 ft. Pkt., 5c.

3573. **Alata.** Buff, with dark eye; pretty, 5 ft. Pkt., 5c.

3578. **Amantiaca.** Bright orange, with dark eye; 5 ft. Pkt. 5c.

3579. **Bakeri.** Pure white; very fine; 5 ft. Pkt., 5c.

3597. **Mixed.** All the above sorts. Pkt., 5c.

TORENIA.

These beautiful, free-blooming, trailing plants are charming for baskets, vases, or for summer garden decoration; 1 ft.

3696 **Bailloni.** Yellow, with brownish-red throat. Pkt., 10c.

3697 **Fournieri.** Velvety-blue; charming. Pkt., 10c.

3698. **White Wings.** New; very lovely; flowers pure white, with rosy throat A perfectly distinct variety Pkt., 20c.

TROPÆOLUM. (See Nasturtiums.)

VERBENA.

Extremely beautiful and highly ornamental plants of dwarf growth, with an abundance of flowers in the most brilliant colors. If started early in the house, they will bloom from early in the season until late in the fall. Verbenas raised from seed are always healthy and will flower freely, 1 ft. *H H P*

3626. **Auricula - flowered.** Bright colors, with large eyes; fine. Pkt., 10c.

3627. **Candidissima.** Pure white; fine tresses. Pkt., 10c.

3633. **Coccinea Folis Aureus.** Flowers crimson, foliage golden yellow, new, fine. Pkt., 20c.

3644. **Cœrulia.** Blue and purple shades, mixed. Pkt., 10c.

3645. **Defiance.** Brilliant scarlet. Splendid variety Pkt., 10c.

3646. **Italian Striped.** Plant exceedingly prolienus. Pkt., 10c.

3647. **Mammoth, Mixed.** This is a distinctly improved strain of recent introduction, with flowers much larger than any others. Pkt., 15c.

3648. **Mixed.** Choice varieties. Pkt, 10c.

(*For Verbena Plants see List of Plants.*)

MAMMOTH VERBENA.

VINCA.

Handsome bushy plants that flower freely the first summer in the open ground. Better to start in March, and transplant in May.

3668. **Alba.** Pure white, tree form; 2 ft. Pkt., 10c.

3659. **Rosea.** Fine shade of rose; 2 ft. Pkt., 10c.

3660. **Rona Alba.** White, with rose eye; 2 ft. Pkt., 10c.

3665. **Mixed.** The above varieties Pkt, 10c.

VIOLETS.

They are very fragrant, half-hardy perennials. Will live here through the winter by slight covering, or in frame. Their principal use is for winter cut-flowers, and for this must be kept in the greenhouse or conservatory, close to the glass.

3666. **Single Blue.** Very sweet scented. Pkt., 5c.

3667. **Single White, The Czar.** Highly fragrant and free flowering. Pkt., 10c.

(*For prices of plants, see Plant Department.*)

WALLFLOWER. (Cheiranthus Cheiri.)

But few species of this genus are cultivated. What are grown are deliciously fragrant, and their flowers are distinguished for fine colors. *H. H. P*

3671. **Select Single.** Best mixed sorts. Pkt., 5c.

3672. **Double Yellow.** Very choice. Pkt., 10c.

3670. **Double Violet.** A fine shade. Pkt., 10c.

3674. **Double Brown.** Deep colored, almost black. Pkt., 10c.

3673. **Select Double.** Mixed colors. Pkt., 10c.

XERANTHEMUM.

A showy family of hardy annual everlastings. When the flowers are cut young they are useful for winter bouquets.

3676. **Annum Superbissimum, fl. pl.** Purple, pompon-flowered. Extra double; 1½ ft. Pkt., 5c.

3677. **White.** Extra double. Pkt., 5c.

3678. **Dwarf Double.** Purple and white; 1 ft. Pkt., 5c.

YUCCA. (Adonis Needle.)

3675. **Filamentosa.** This is a hardy perennial plant, with a very short trunk covered with the lanceolate unarmed leathery leaves, which bear filaments on their margins. The seeds readily vegetate in garden soil. The scape-like flower-stem attains the height of 5 to 7 feet. The flowers are numerous, large and very showy Pkt., 10c.

ZINNIA.

These annuals are well worthy of extensive cultivation. Very showy plants, with large double flowers, which, when fully expanded, form hemispherical heads, become densely imbricated, like Dahlias; 2 ft. *H. H. A.*

3683. **Elegans, fl. pl.** These showy, desirable, double flowers are an acquisition, even among our large number of floral beauties; mixed, 2 ft. Pkt., 10c.

3684. **Pumila, fl. pl.** A new strain of dwarf, very double varieties, distinct from the above; colors splendid, mixed. Pkt., 10c.

3687. **Zebra.** A sporting strain of striped flowers, curious and pretty. Pkt., 10c.

DWARF, LARGE FLOWERING SORTS.

		Pkt			Pkt.
3685.	**Double White.**	10c.	3693.	**Double Striped**	10c.
3686.	**Double Scarlet**	10c.	3694.	**Double Mixed**	10c.
3689.	**Double Yellow**	10c.			

NEW GIANT ZINNIAS.

An improved strain, with very double brilliant colored flowers of immense size.

3695. **Finest Mixed.** Pkt., 10c.

GRASSES--Ornamental.

This class of plants is both attractive and very useful, especially to mingle with cut flowers, or to grow in vases, baskets and window boxes. They are desirable for winter boquets, for which purpose they should be cut before the flower is fully expanded, tied in small bunches and dried in the shade. Some preserve their form much better when packed smoothly between soft paper and are subjected to pressure.

We offer the following, which includes the most desirable:

3729. **Argrostis Nebulosa.** Finely divided, gauzy. Pkt., 5c.

3750. **Avena Sterillis, or Animated Oat.** Curious appendage to its fruit. Pkt., 5c.

3752. **Briza Maxima.** (*Quaking Grass.*) Showy, beautiful and useful; 1½ feet. Pkt., 5c.

3753. **Briza Minor.** Delicate nodding heads; pretty. Pkt., 5c.

3773. **Chloris Radiata.** Heads silky; beautiful, dwarfish plant; ½ foot. Pkt., 5c.

3775. **Coix Lachryma.** (*Job's Tears.*) Rather coarse, but curious and useful dried. Pkt., 5c.

3790. **Gynerium Argenteum.** (*Pampas Grass.*) Highly ornamental; 6 feet. *H. P.* Pkt., 5c.

3795. **Gynerium Roseum.** Large rose-colored heads. Very fine; 6 feet. *H. P.* Pkt., 5c.

3801 **Lagurus Ovatus.** Hare's Tail Grass, because it resembles the "cotton tail." Pkt., 5c.

3803. **Pennisetum "Fasciculatum."** Rather stiff feathery heads. Pkt., 10c.

3807. **Stipa Pennata.** This is a beautiful, feathery-headed grass; useful and pretty. Pkt., 5c.

SUMMER FLOWERING BULBS.

There is nothing in Floriculture which to the amateur will be attended with as great satisfaction or give as grand results as the cultivation of this class of flowering plants. They are of the easiest culture, and should be planted in the open ground, from last of April to 1st of July, and given same general culture as garden vegetables. Bulbs under this class require to be taken up in the fall after early frosts, thoroughly dried and put away in the cellar, to be replanted the succeeding spring. *Prices given include prepayment by mail or express, except where otherwise noted.*

AMARYLLIS.

Bulbous plants with large, drooping, lily-like flowers, varying in color from richest crimson to pure white, and striped with crimson or scarlet; of the easiest culture. With a little care a succession of bloom may be had throughout the year. Winter in house or cellar.

ATAMASCO. Beautiful rosy white flowers, produced in abundance the entire summer. 10c. each; 75c. per doz., prepaid.

FORMOSISSIMA. Bright scarlet, with golden dots. 20c.

JOHNSONI. Dark red, with white stripes; splendid. 75c.

VITTATA. Clear white, with red stripes. 75c.

BESSERA ELEGANS.

The pretty, well shaped flowers, are of a striking shade of coral scarlet, with a pure white cup and dark blue anthers. The flowers are borne in pendulous clusters on long slender stems, giving the plants an exceedingly graceful appearance. 10c. each; $1.00 per doz., prepaid.

BEGONA, Tuberou Rooted.

These magnificent new begonias, so greatly improved in late years, have quickly gained their well deserved place as general favorites for bedding and pot culture. The plants are literally covered with dazzling flowers of immense size and make a most effective and beautiful display if planted in beds on the lawn. After blooming all summer the Bulbs may be taken up in November, dried off and stored away in a cool place until spring. *We secured the strain of Tuberous Rooted Begonias, we offer, from a celebrated English grower, who has taken the highest premiums wherever his collections were exhibited.*

SINGLE LARGE FLOWERING VARIETIES. Superb colors mixed. A mixture of single Tuberous-Rooted Begonias that contains all the grandest and most brilliant colors of this beautiful new race, and produces an abundance of magnificent flowers measuring 3 to 6 inches in diameter. 15c. each; $1.50 per doz., prepaid.

COLORS SEPARATE. Single rose, white, scarlet, yellow, crimson or pink. 25c. each; $2.50 per doz., prepaid.

Six bulbs, one each of above six colors for $1.20, prepaid.

DOUBLE VARIETIES. A splendid assortment of the finest double flowering Tuberous Rooted Begonias. 35c. each; $3.50 per doz., prepaid.

CANNA

Combining a tropical foliage with extremely showy and brilliant colored flower spikes, equal to Gladioli, these plants are more extensively used and appreciated from year to year for tropical beds on the lawn. They bloom most freely during the entire summer, and the roots may be taken up after the first frost and stored away like dahlias in fall or potted for winter flowering in the house.

CANNA EHMANI.

Entirely distinct from all other Cannas; its rich green foliage resembling the Banana. Its great merit, however, lies in the flowers, which are 3 inches long and 2 inches wide, of a bright crimson color; a very free bloomer; it can be lifted in autumn, and will bloom all winter in the house. 25c. each; $2.50 per doz. (not prepaid.)

BRILLIANTISSIMA. The handsomest of all the dark-leaved sorts. The dark bronze colored leaves are lightly tinted with scarlet, giving the plant a very brilliant and lustrous appearance. 20c. each; $2.00 per doz. (Not prepaid).

CHILDSI or TIGER CANNA. The large sized and perfect shaped flowers are of a bright yellow color, thickly spotted with crimson. Foliage light green, a splendid variety for pots. 30c. each; $2.50 per doz. (Not prepaid).

JULES CHRETEIN. Plant dwarf but very vigorous, flowers large, with long, broad petals of a glowing cerise crimson, very handsome foliage. 25c. each; $2.50 per doz. (Not prepaid.)

NOUTONI. Scarlet. The flowers are of remarkable size, growing erect instead of drooping. A free bloomer. The bluish-green foliage grows very compact, making this variety excellent for bedding. 6 ft. 20c. each; $2.00 per doz. (Not prepaid.)

ADOLPH WIECK. Producing freely flowers of a brilliant scarlet, almost the size of gladiolus, very desirable. 20c. each; $2.00 per doz. (Not prepaid.)

CALADIUMS.

Stately plants of easy growth for planting on lawns singly or in beds with Cannas or Ricinus. The enormous leaves, three feet long, make a splendid tropical effect. The bulbs should be taken up in fall, and kept in a dry, frost proof place in sand over winter.

ESCULENTUM. (Elephant's Ear.) Very showy and fine green leaves of immense size. Height 4 to 5 ft.

1st SIZE Bulbs, 1½ to 2 in. diam. 15c; $1.50 per doz., prepaid.
LARGER " 2 to 3 " " 30c; 3.00 " "
MAMMOTH " 4 to 6 " " 50c; 5.00 " "

FANCY LEAVED CALADIUMS. The bright green leaves are marked very pretty, and make this variety one of the most effective plants for a lawn decoration. 30c. each; $3.00 per doz., prepaid.

BLACK CALLA.

(Arum Sanctum.)

A rare species from Palestine, resembling in style of growth and blooming the White Calla. Enormous flowers, measuring 10 to 12 inches in length. The color of the upper side is dark maroon, almost black, giving the whole plant an odd but most wonderful appearance. Stock is scarce, and therefore it will be well to send in your orders early. Price, $1.00 each, prepaid.

SPOTTED LEAF CALLA.

(Richardia Alba Maculata.)

In shape of flowers and foliage it resembles the well-known White Calla. The deep green leaves are beautifully worked with white spots, giving the plant an odd and exceedingly ornamental appearance Roots, of good size, 20c. each; $2.00 per doz., prepaid.

WHITE CALLA.

There is probably no plant so popular for house culture as the White Calla. Its beautiful snow-white flowers and spear-shaped leaves are found in mostly every window garden. It requires plenty of water, and can be made to flower at almost any season of the year. Strong Roots, 25c. $2.00 doz., prepaid

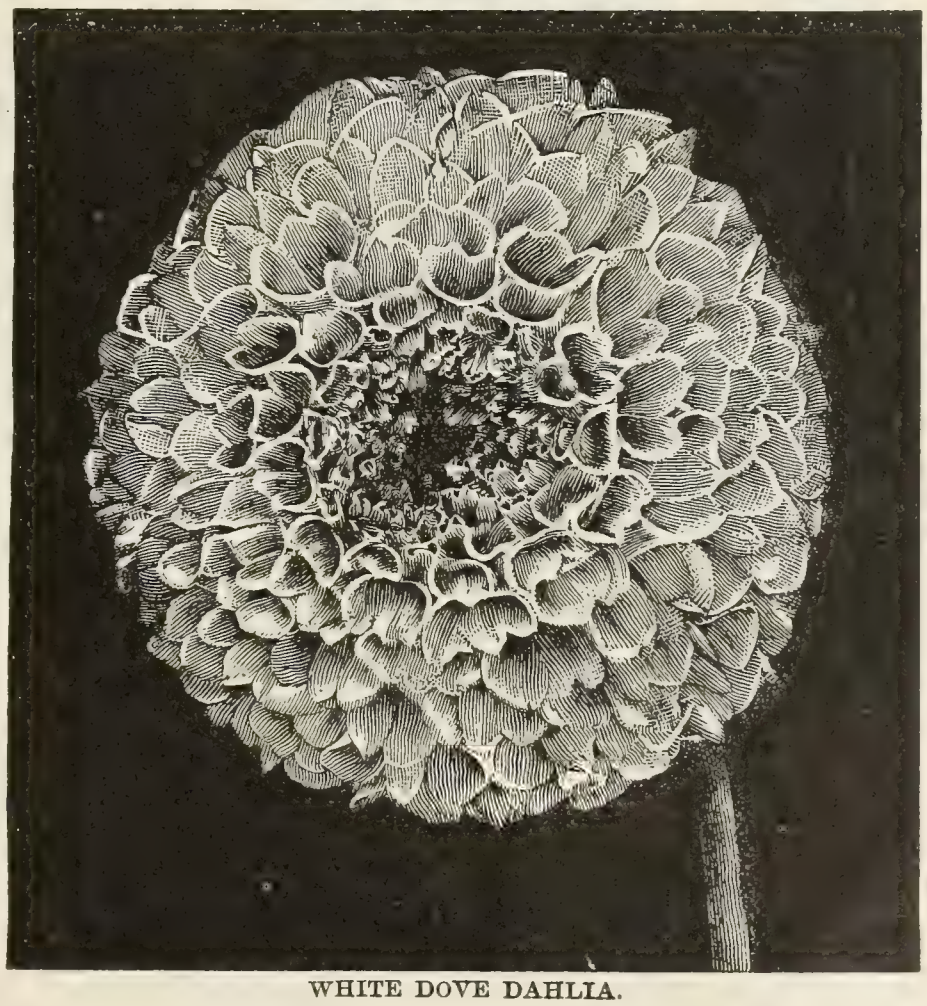
DAHLIAS.

The Dahlia is the grandest autumn flower we have. Nothing is its equal in any respect in fall flowering plants. Put Dahlia tubers in the ground when the season becomes warm, covering the neck some three inches. If many shoots start, thin them out. After flowering, and before hard frosts, take up the plants, remove the tops, dry the bulbs a little, and put in the cellar until spring, when they can be divided and replanted. Look at them occasionally to see that they are not shriveling from too dry an atmosphere, nor starting the eye early in consequence of too much moisture and warmth.

CHOICE DOUBLE VARIETIES.

Dry Roots, 25c. each; $2.50 per doz.

A. D. LIVONI. A lovely shell-pink, medium size; splendid variety, the best of its color.
GEORGE THOMPSON. Dwarf and compact growth, primrose yellow; profuse bloomer; fine for bedding.
MRS. GOODWIN. Scarlet, medium size
UNIQUE. Pure white; flat, good for floral work.
EXQUISITE. Orange, scarlet edge.
WHITE DOVE. Perfect shape and well-filled centre. Snow white, with most beautiful and curious-toothed petals. Very extensively grown for cut flowers.
BICOLOR. White, striped purple
DOM PEDRO. Scarlet and white.
STRIPED LADY. Fine, large, scarlet flowers, striped faint yellow; very desirable.
GUIDING STAR. Pure, white flowers, with toothed petals; excellent.
ADMIRATION. Crimson, tipped with white; very fine.
FAIR LADY. Cream color, tipped with pink.
KLEINER DOMINIKANER (Pompon.) A very free bloomer; flowers buff yellow, sometimes sporting to white.
BIRD OF ROSES (Pompon.) Bright rose, with light pink, tipped petals.
YELLOW PERFECTION. Lemon yellow.
VIRGIN MARIE. White, flushed pink.
UNA ALBA. White Pompon, much used for floral work.



WHITE DOVE DAHLIA.

SINGLE DAHLIAS.

A class of Dahlias which is rapidly growing in favor on account of its freedom of bloom and various and attractive coloring. The varieties we offer have been carefully selected from a large collection. The fancy sorts frequently come self-colored early in the season, but show their true colors later on.

BUTTERFLY. Fine shade of pink.
PICTA FORMOSISSIMA. Striped red and white.
CANARY. Pale yellow.
FAUST. A good crimson maroon.

CACTUS DAHLIAS.

This splendid class of Dahlias has been greatly improved since its first introduction. They are distinguished by the brilliant scarlet color and unique form of their flowers. We list below some of the very best varieties of this class, and recommend them to our customers as well worthy of a trial

JUAREZI. Scarlet crimson.
CONSTANCE. Ivory white; very fine.
KING OF CACTUS. A splendid variety; bright crimson.
CHARMING BRIDE. Pearl white; tipped rose.

Dry Roots, 25c. each; $2.50 per doz., not prepaid.

DAHLIAS IN MIXTURE. Unnamed, but distinct colors separate, 15c. each; $1.50 per doz.

GLADIOLI.

The most stately and effective Plants produced by Summer Flowering Bulbs.

The care that has been bestowed upon the Gladioli has resulted in the production of flowers of large size, charming colors and strong habits These good points, coupled with the ease with which they may be grown, and the prolonged season of blooming, are placing this class of Bulbs yearly into more extensive notice. The Flower-spikes, if cut when two or three of the lower flowers are open, and placed in water, will open in a most beautiful manner. They thrive well in almost any light soil, the best in moist, sandy loam. Plant in spring, as soon as danger from frost is over, 3 inches deep and about 6 to 9 inches apart. In the fall the Bulbs should be taken up and stored away where they will be free from moisture and frost.

Prices below include prepayment by mail unless otherwise noted.

MIXTURE OF GLADIOLI, Under Colors.

The Bulbs we offer in these special mixtures can be depended on to contain flowers of the finest colors and excellent shape

	Doz.	100.		Doz.	100.
RED AND SCARLET	30c.	$2.00	**YELLOW SHADES**	60c.	$4.00
LIGHT AND WHITE	75c.	4.00	**SALMON AND BUFF**	75c.	5.00
PINK, different shades	50c.	3.00	**ALL COLORS MIXED**	30c.	2.00
STRIPED, variegated	50c.	3.00	**SUPERFINE MIXED**	40c.	3.00

LEMOINE'S SEEDLING.

A new race of the most perfect Gladioli, with enormous sized flowers beautifully marked.

FINE MIXED VARIETIES. 6c. each; 60c. per doz.

EXTRA FINE MIXED VARIETIES. 10c. each; $1 00 per doz.

NEW GLADIOLUS, "SNOW-WHITE."

A distinct improvement in White Gladioli. The entire flower is a perfect paper white, with a slight cream shade on the lower half of the lower petal. 25c. each; $2.50 per dozen.

CHOICE NAMED GLADIOLI.

The varieties selected have been chosen with special reference to color, time of flowering and quality of bloom. They are fine Bulbs, well-grown and of good size.

ANGELE. White, showy and effective. 10c. each.

BICOLOR. Large flowers of bright rosy-salmon, except lower petals, which are ivory-white, suffused with rose at edges. 15c. each.

BRENCHLEYENSIS. Bright vermillion-scarlet. 5c. each; $2.00 per 100.

CHARLES DICKENS. Delicate rose-tinted with buff, flamed and striped carmine-rose. 10c. each.

CERES. Pure white, spotted with purplish-rose. 10c. each.

CLEOPATRA. Soft lilac; the lower petals of a darker hue, suffused with violet, purple feathered blotch. 15c. each.

CONDE. Light orange-red, white blotch feathered carmine. 10c. each.

EGLANTINE. Tall spike, with perfectly-shaped flowers of pure white, tinged with delicate rose and profusely flamed and edged with carmine-red. 15c. each.

ESMERALDA. Fine large flowers, well expanded, of a bright and striking color, ground ivory-white, striped and flaked carmine-red; lemon-colored blotch. 15c. each.

EUGENE SCRIBE. Flowers large and wide. Perfect, tender rose, blazed with carminate-red. 10c. each.

FELICIEN DAVID. Cherry; light carmine feathered white blotch. 10c. each

FLAMINGO. Fiery-red, blotch of rich purple; large spike of well arranged flowers. 25c. each.

HECLA. Fiery orange-scarlet, centre is pure white; feathered carmine; middle-sized flowers. 50c. each.

ISAAC BUCHANAN. Very fine yellow. 10c. each.

JOHN BULL. White, slightly tinged with sulphur. 10c. each.

LA CANDEUR. White, lightly striped with carmine-violet. 15c. each.

LORD BYRON. Brilliant scarlet; blotched and flushed pure white. 10c. each.

LORD RAGLAN. Salmon rose, mottled scarlet; very distinct blotch of vermillion. 15c. each.

MME. DEVATRY. White, purplish-carmine blotch. 15c. each.

NESTOR. Light yellow, the lower petals darker, striped with red. 25c each.

OPHIR. Dark yellow; purple blotch. 15c. each.

ROMULUS. Very brilliant dark-red; large pure-white blotch; large white lines on the lower petals. 15c. each.

SHAKESPEARE. White, very slightly suffused with carmine-rose; large rosy blotch. 15c. each.

SULPHUREUS. Sulphur-colored. 15c. each.

LILY BULBS.

The Lily, of graceful habit of growth, unexcelled beauty and fragrance of flower, is a favorite everywhere. A queen of the flowers and only the rose can dispute its claim to queenly honors. Mostly all sorts are hardy enough to be grown in our gardens with a slight protection during severe weather. They do splendidly in permanent beds, greatly improving in blooming when thoroughly established. The soil should be mixed with sand and leaf mold. Plant as early as possible, about six inches deep and one foot apart

THREE GRAND LILIES.

AURATUM, (Gold Banded Lily of Japan.)

The grandest lily for summer flowering The flowers are pure white, thickly spotted with crimson and each petal is marked with a clear golden band They often measure 10 inches across, are thickly set and exceedingly fragrant. Fine bulbs, 25c. each; $2.50 per doz., prepaid.

HARRISII, (Bermuda Easter Lily.)

The large trumpet shaped flowers are pure white and of a delicate fragrance. Enormous quantities are grown during winter for Easter decorations, as it is one of the earliest and most profuse bloomers of all. Benefited by slight covering in winter. Strong bulbs 20c. each; $1 75 per doz., prepaid.

SPECIOSUM RUBRUM

Beautiful white shaded flowers, spotted with rose or crimson, the petals are worked with a crimson band. A hardy variety that needs very little protection and care. A profuse bloomer of strong growth. Fine bulbs 25c. each; $2.50 per doz., prepaid.

One strong Bulb of each of above Three Grand Lilies postpaid for 60c.

AURATUM RUBRUM VITTATUM. An excellent variety from Japan, with immense pure white flowers, spotted crimson. Each petal is distinctly marked with a broad crimson stripe. Good bulbs, $1.25 each.

BROWNII. Large trumpet shaped, white inside, purple outside. $1.25 each.

CANDIDUM. (St. Joseph's Lily.) Pure white flowers with yellow stamens. Perfectly hardy and one of the most profuse bloomers. Splendid for permanent beds Strong bulbs, 15c. each; $1.25 per doz.

EXCELSUM. Buff yellow; hardy. 50c. each.

LONGIFLORUM. Similar in shape and color of flowers to the Bermuda Easter Lily Flowers 6 to 8 inches long and fragrant. Fine bulbs, 15c. each; $1 50 per doz.

LANCIFOLIUM ALBUM Delicate white. 50c. each

LANCIFOLIUM PUNCTATUM. White, with delicate rose spots. 40c. each.

LANCIFOLIUM RUBRUM. White, red spotted. 25c. each.

MARTAGON. (Turk's Cap.) Purple. 15c. each.

PARDALINUM. Yellow, spotted with red. 25c. each.

SPECIOSUM ALBUM. Pure white, fragrant, 35c. each, $3.50 per doz.

SPECIOSUM ALBUM PRAECOX. White, slightly rose-tinted; perfectly hardy 35c. each; $3.50 per doz.

SPECIOSUM ROSEUM. White, spotted with rose. 20c. each, $1.50 per doz.

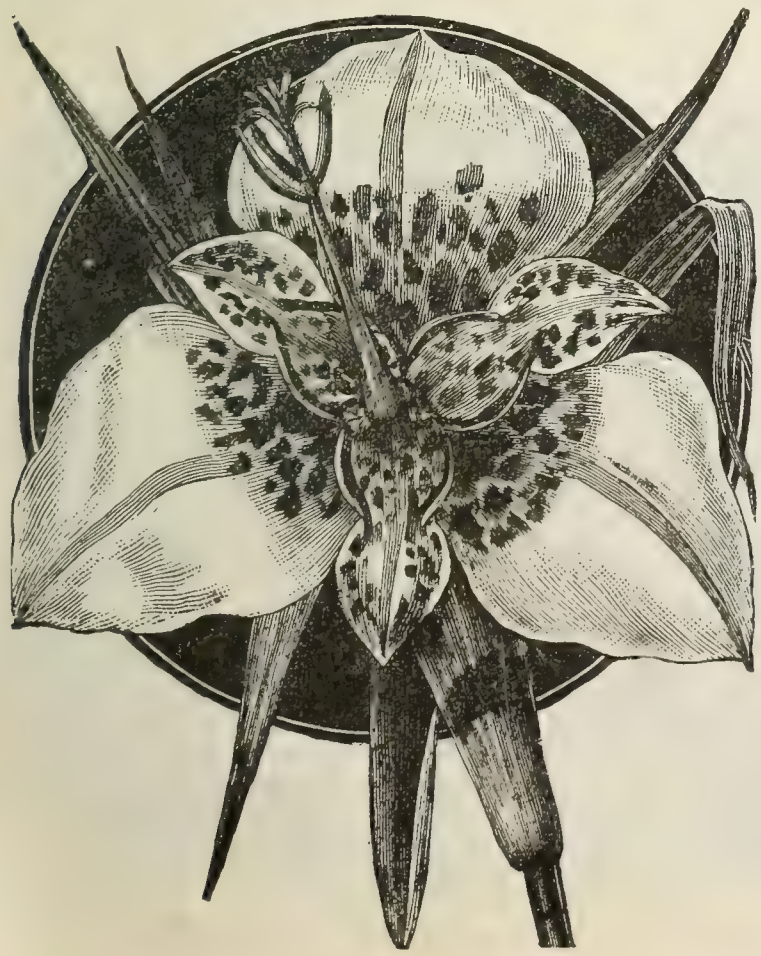
THUNBERGIANUM. Orange, black spotted. 25c. each.

TIGRINUM. (Tiger Lily.) Orange salmon. 15c. each.

TIGRINUM flore pleno. Double Tiger Lily. 15c. each.

TENUIFOLIUM. Vivid scarlet. 30c each.

WALLACEI. Clear buff, spotted with black. 20c. each.



LILY OF THE VALLEY.

A modest little plant, thriving in any common soil. It will do well in a shady situation where few other plants will succeed; is extremely useful for pot culture.

PIPS OR FLOWERING CROWNS. For forcing. 40c. per doz., $2.00 per 100.

CLUMPS. Extra strong, for out door planting. 35c. each, $3.50 per doz.

TIGRIDIA.

The Tigridia is a summer flowering bulb and should be planted in the open ground in May. They commence blooming early in July and produce an abundance of gorgeous flowers till October. Late in autumn the bulbs should be lifted, dried and stored in the cellar like Gladioli.

GRANDIFLORA ALBA. Its flowers are large, of a pearly-white color, marked at the base of each division with large spots of a reddish-brown or chestnut color, on a yellowish ground, forming a fine contrast with the white of the petals. This is a grand acquisition to our summer borders and a grand companion to the already known and admired varieties of this family. 15c. each, $1.00 per doz.

CONCHIFLORA. Fine yellow, spotted with crimson. 10c. each, 75c. per doz.

GRANDIFLORA. Very large, bright crimson, centre variegated with yellow. 15c. each, $1.00 per doz.

One Bulb of each variety for 30c; 6 Bulbs of each variety $1,50.

THE CHINESE SACRED LILY.

Flower of the Gods. (Shui Sin Far.)

CHINESE SACRED LILY.

This is undoubtedly the easiest grown Bulb for the house or window; blooming in about four to five weeks from time of starting, freely producing silvery white flowers with golden yellow cup. It is of exquisite beauty and entrancing fragrance. It does best in shallow bowls of water, with enough gravel in it to hold the Bulb in its place, and can also be grown potted in earth. No other Bulb has risen so quickly into popularity as this curious and beautiful flower. The Sacred Lilies can be started until middle of April, and hardly ever fail to give satisfaction even under the most careless treatment. We import our stock in large quantities direct from China, and therefore offer strong, healthy Bulbs —the true kind—at 25c. each; 5 for $1.00; doz., $2.25; prepaid.

TUBEROSE.

This beautiful flower is too well known to need any further description. We contract large quantities of Tuberoses every season, and take particular care to have them well-cured and in first-class condition. Our strains are greatly improved and strictly pure.

DOUBLE DWARF PEARL. Grows about 2½ ft. high; flowers extra large and double.

Select Bulbs, each, 7c; doz., 75c; 100, $2.50; prepaid.

DOUBLE TALL ITALIAN. Flower spike 4 ft. high, crowded with pure white, well-shaped flowers.

Fine Bulbs, each, 7c; doz., 75c: 100, $2.50; prepaid.

ORANGE FLOWERED, or SINGLE TUBEROSE. Blooms four weeks earlier than above; stem about 4 ft. high, bearing pearly-white, graceful flowers.

Strong Bulbs, 7c. each; doz., 75c; 100, $3.50; prepaid.

Collection: 12 Tuberose Bulbs (4 Dwarf Pearl, 4 Tall Double, 4 Single) for 60c; prepaid.

PEARL TUBEROSE.

HYACINTHS CANDICANS.

Luxuriant, free-growing, summer flowering plant, with flower stems 3 to 4 ft. high, bearing from twenty to thirty pure white flowers. 15c. each; $1.50 per doz.; prepaid.

MILLA BIFLORA. (Mexican Star.)

One of the loveliest and most desirable bulbs. The flowers are nearly 2½ inches in diameter, of a pure waxy-white color, and usually borne in pairs; the petals are thick and leathery, of great substance, and will keep for days when cut and placed in water. 10c. each; $1.00 per doz.; 30 for $2.00; prepaid.

CYCLAMEN.

These beautiful plants, with their elegantly marbled foliage and bright flowers, are only adapted for pot culture in our climate. Start in light soil, watering them sparingly. Strong Bulbs, each, 25c; $2.50 per doz.; prepaid.

GLOXINIA.

One of our most charming green-house plants. The gorgeously colored flowers are spotted, shaded, or mottled in the most magnificent way. After their blooming season, Bulbs should be carefully dried and put away in a dry place. Good Bulbs, finest varieties, 25c. each; $2.50 per doz.; prepaid.

OXALIS. (Summer Flowering.)

Very little plants, free blooming, and of fine foliage. They do splendidly in pots, and are also especially adapted for borders of walks or flower beds.

DIEPPI. Pure white; 10c. per doz.; 40c. per 100; prepaid.

LASIANDRA. Rosy pink. 10c. per doz.; 40c. per 100; prepaid.

GIANT WATER LILY.

(Nymphea Orderata Gigantea.) The flowers are pure white with a rich yellow centre, the shape the same as the Common Pond Lily, but in size about three times larger. The leaves are of enormous size, often measuring two feet. Easily grown in ponds or streams, and perfectly hardy. Good size roots, 25c. each; $2.50 per doz.; not prepaid.

SPIDER LILY.

A Bulb of easiest culture, which freely produces clusters of large white flowers of delightful fragrance. When planted out in summer they must be taken up before frost, potted, and kept rather dry until planting-time the next season. If grown in pots, in rich soil, they will bloom well in the house. A lovely and charming flower that is worthy to be known more extensively. 20c. each; 3 for 50c; $1.75 per doz.; prepaid.

SPIDER LILY.

FLOWERING AND FOLIAGE PLANTS.

FOR BEDS, BORDERS, GREENHOUSES, ETC.

We are growers by contract of large quantities of greenhouse and bedding plants. Our contracts are placed with the most careful and reliable growers, and enable us to give you the pick of their stock.

WRITE FOR SPECIAL PRICES ON LARGER LOTS.

Plants by Mail.—At prices quoted plants will be forwarded by mail, *postage paid*, if the order amounts to *$1.00 or more, but always at purchaser's risk. If for less than $1.00 and wanted by mail, add 10 per cent to cover postage.*

Plants by Express.—A better way of shipping, as we can furnish larger, finer plants, the value of which more than equals express charges, and we guarantee safe delivery of all plants sent by express. Claims must, however, be reported immediately upon arrival of plants.

As we have made such liberal reductions in prices this season, we cannot afford to prepay express charges, but will add the following premiums:

For a remittance of			$1.00	you may select plants to the amount of						$1.15
"	"	"	2.00	"	"	"	"	"	"	2.35
"	"	"	3.00	"	"	"	"	"	"	3.40
"	"	"	4.00	"	"	"	"	"	"	4.50
"	"	"	5.00	"	"	"	"	"	"	5.65

ABUTILONS. Many different sorts. 10c. each, $1.00 per doz., $7.00 per 100.

ACHYRANTHES WALLISII. Very dark, extra 10c. each, $1.00 per doz., $8.00 per 100.

ACHYRANTHES COLLINSII. Yellow, pink and green. 10c. each, $1.00 per doz., $8.00 per 100.

ACHYRANTHES EMERSONI. Maroon and crimson. 10c. each, $1.00 per doz., $8.00 per 100.

AGERATUM. Blue; dwarf or tall. 10c. each, $1.00 per doz., $6.00 per 100.

ALTERNANTHERA. Scarlet foliaged; very dwarf. 75c. per doz., $6.00 per 100.

ALTERNANTHERA. Yellow foliaged; dwarf. 75c. per doz., $6.00 per 100.

ALYSSUM. Variegated foliaged; leaves white margined. 75c. per doz., $6.00 per 100.

ALYSSUM. Double-flowering; white. 10c. each, $1.00 per doz., $6.00 per 100.

ASTERS. Double; fine assorted colors. 50c. doz., $4.00 per 100.

ASTERS. Double White; extra fine. 75c. per doz., $5.00 per 100.

BEGONIAS. Flowering; ten varieties. 15c. each, $1.50 per doz., $10.00 per 100.

BOUVARDIAS. Nine varieties; varied colors. 15c. each, $1.50 per doz., $10.00 per 100.

CANNAS. *See special list.*

CHRYSANTHEMUMS. *See special list.*

CENTAUREA GYMNOCARPA. Silvery, fern-like leaves. 10c. each, $1.00 per doz., $6.00 per 100.

CENTAUREA CANDIDISSIMA. Silvery, more rounded leaves. 10c. each, $1.00 per doz., $8.00 per 100.

COLEUS VERSCHAFFELTI. Best for beds; velvety crimson. 75c. per doz., $6.00 per 100.

COLEUS. Various named sorts. 75c. per doz., $6.00 per 100.

CARNATIONS. Monthly; twenty named sorts, finest. 20c. each, $2.00 per doz., $15.00 per 100.

CALENDULA. Prince of Orange; splendid orange. 20c. each, $1.00 per doz., $8.00 per 100.

DAHLIAS. *See special list.*

DAISY. Longfellow; double, fine. $1.00 per doz., $7.00 per 100.

FUCHSIAS. Eighteen fine sorts. 15c. each, $1.50 per doz., $10.00 per 1.00.

FEVERFEW. Golden; golden feather, for bedding. 10c. each, $1.00 per doz., $7.00 per 100.

FEVERFEW. Double White; very free-blooming. 75c. per doz., $6.00 per 100.

GERANIUM. Single Scarlet; 10c. each, $1.00 per doz., $8.00 per 100.

GERANIUM. Double Scarlet; several named sorts. 10c. each, $1.00 per doz., $8.00 per 100.

GERANIUM. Single White; named varieties. 10c. each, $1.00 per doz., $8.00 per 100.

GERANIUM. Double White; several varieties. 10c. each, $1.00 per doz., $8.00 per 100.

GERANIUM. Single Pink; various named sorts. 10c. each, $1.00 per doz., $8.00 per 100.

GERANIUM. Silver-leaved; fine for beds, etc. 10c. each. $1.00 per doz., $8.00 per 100.

GERANIUM. Bronze-leaved; very handsome foliage. 10c, each, $1.00 per doz, $8.00 per 100.

HELIOTROPE. Twelve fine varieties. 10c. each, $1.00 per doz., $8.00 per 100.

HOLLYHOCKS. *See list of Hardy Perennials.*

LOBELIAS. Various sorts for bedding, etc. 10c each, 75c. per doz., $5.00 per 100.

ICE PLANTS. Variegated-leaved. For dwarf edgings. 10c. each, $1.00 per doz., $6.00 per 100.

MARIGOLDS. French Dwarf; double. 10c. each, 75c. per doz., $6.00 per 100.

MARIGOLDS. African; double. 75c. per doz., $6.00 per 100.

MOONFLOWERS. White. 20c. each, $2.00 per doz., $10.00 per 100.

MOONFLOWERS. Deep Blue. 20c. each, $2.00 per doz., $10.00 per 100.

NASTURTIUMS. Dwarf. 10c. each, 75c. per doz., $6.00 per 100.

PANSIES. Extra fine, mixed. 10c. each, 60c. per doz., $3.50 per 100.

PETUNIAS. Single, in great variety. 10c. each, 60c. per doz., $5.00 per 100.

PETUNIAS. New Dwarf Compact, chiefly striped. 10c. each, 75c. per doz., $6.00 per 100.

PHLOX DRUMMONDI. Assorted colors. 5c. each, 50c. per doz., $4.00 per 100.

SALVIA. Scarlet; charming for beds. 15c. each, $1.50 per doz., $10.00 per 100.

VIOLETS. Double Blue; delightfully fragrant. 20c. each, $2.00 per doz., $15.00 per 100.

VIOLETS. Double White. 20c. each, $2.25 per doz., $16.00 per 100.

VERBENAS. Various fine colors. 10c. each, 75c. per doz., $5.00 per 100.

VINCAS. Red and White. 10c. each, $1.00 per doz., $6.00 per 100.

ZINNIAS. Double, various sorts. 5c. each, 75c. per doz., $5.00 per 100

If plants are wanted in large quantities or general assortments for House, Garden or Lawn, please send us list and we will quote special rates.

WE ARE SATISFIED THAT WE CAN PLEASE YOU IN STOCK AND PRICES.

For those who may wish collections of plants for special purposes or places, we will, if parties prefer, make selections suitable for the purpose desired. Please state amount you wish to expend and the use to be made of the plants.

ROSES.

A good reason why we can unhesitatingly recommend our plants as strong, healthy and true stock:

We are growers, by special contract, of plants in large quantities. Our contracts for Roses are with the most careful and reliable Rose Growers, and enable us to give you the pick of their stock.

In order to insure vigorous, healthy growth—which must precede fine flowers—Roses should be planted in heavy soil, enriched with well-rotted manure, and always have a sunny place; and it is also necessary to keep the ground loose and free from all weeds.

NEWER EVER-BLOOMING ROSES OF SPECIAL MERIT.

WABAN. (1891. The "Red Mermet.")

A sport from the Catherine Mermet, which so greatly surprised professional and amateur gardeners when introduced last season. The flowers are borne on long stems and are of a beautiful carmine pink color, shaded brilliantly on the outside petals. 20c. each; $2.00 per doz., prepaid.

MADAME HOSTE.

Tea. In form this is elongated, similar to the Niphetos; large size, full and double, of a clear lemon color, occasionally of a creamy-white shade, of a strong, thrifty habit, and a profuse and constant bloomer. Price, 20c. each; $2.00 per doz.; prepaid.

DUCHESS OF ALBANY.

Hybrid Tea. A sport from the well-known La France. This is without doubt one of the finest roses introduced in many years, either for summer or winter blooming. Its freedom of flowering, style of bud, makes it most desirable as a cut flower. Color deep rose. Price, 20c. each; $2.00 per doz.; prepaid.

SOUVENIR DE WOOTEN.

Hybrid Tea. The color of this most excellent rose is a beautiful shade of carmine crimson. Flowers very large, exquisitely fragrant, blooms profusely, nearly every new shoot forming a flower bud. It will be found highly satisfactory in the hands of amateur or professional gardeners. Price, 20c. each; $2.00 per doz.; prepaid.

CLOTHILDE SOUPERT.

Polyantha Tea. New, 1890. Splendid variety for forcing, bedding, or pot culture; color white, shading to pink in the centre. Its free blooming habit, delightful fragrance and handsome appearance recommend it highly. Price, 20c. each; $2.00 per doz.; prepaid.

MADAME PIERRE GUILLOT.

Large, beautiful buds—shaped like the Mermet—that are cream color, shading to a yellow base; edges of all the petals bright rose. A free bloomer. 25c. each; $2.50 per doz.; prepaid.

RAINBOW.

A sport from Papa Gontier. Flower nicely variegated in deep carmine on pale pink ground. Remarkable for their excellent keeping qualities. 25c. each; $2.50 per doz.; prepaid.

GUSTAVE NADAUD.

A free grower, with long vermillion flowers, showing clear touches of carmine and soft pink center. 25c. each; $2.50 per doz.; prepaid.

MADAME MARTHE DE BOURG.

Flowers are large, perfectly double and of rounded form, the outer petals recurve at the edges, showing a nicely painted centre. The color is creamy white, touched with carmine on the edges. 20c. each; $2 00 per doz.; prepaid.

BONA WEILLSHOTT.

A very strong grower; flower large and double, and of the centifolia form. Color rosy vermillion, with center of orange red; very sweet. A Hybrid Tea variety of much merit. 20c. each: $2.00 per doz.; prepaid.

MME. PH. KUNTZ.

Large double cherry-red flowers, shading to salmon and flesh. 20c. each; $2.00 per doz.; prepaid.

MME. AUGUSTINE GUINNOISSEAU

(The White La France.) A very light variety of the well known La France; much admired. 25c. each; $2 50 per doz.; prepaid.

☞ **Above 12 varieties, 1 Plant of each, for $2.00, prepaid.**

EVER-BLOOMING ROSES, STANDARD VARIETIES.

Celebrated for their delicate beauty, fine shades of color and delightful fragrance. Profuse and constant bloomers. In northern latitudes they should be taken up in fall, trimmed back, potted and stored away in a cool place until planting time next spring. During winter keep the earth just moist enough to prevent the wood from shriveling.

NIPHETOS. Pure white.
PERLE DES JARDINS. Deep golden yellow.
PAPA GONTIER. A deep red.
SUNSET. Deeper color than Perle des Jardins.
SAFRANO. (Ideal Tea Rose.) Saffron yellow.
BRIDE. Pure white; fine for forcing.
BON SILENE. Rosy carmine, shaded pale rose.
CATHERINE MERMET. Deep rose.
CORNELIA COOK. Large, pure white.
HERMOSA. Rosy pink; winters out by slight covering

10c. each; $1.00 per doz.; prepaid.

HYBRID PERPETUAL ROSES.

The flowers of this class of roses show the most brilliant colors imaginable. They are of immense size, often five inches and over in diameter, and during the blooming season of the Hybrid Perpetual Roses no other flowers will equal them in brilliancy and variation of colors and exquisite fragrance.

ALFRED COLOMB. Crimson, fragrant
ANNE DE DIESBACH. Carmine; fine.
ABEL CARRIERE. Purplish crimson, center fiery red.
ANTOINE MOUTON. Deep rose, fringed with lilac; one of the largest.
BARONESS ROTHSCHILD. Light rose.
BOULE DE NIEGE. Pure white.
CAPTAIN CHRISTY. Delicate flesh color.
FRANCOIS MICHILION. Deep pink, reverse of petals silvery.
FISHER-HOLMES. Deep crimson; very fine.
GENERAL JACQUEMINOT. Rich velvety scarlet; magnificent bud.
GENERAL WASHINGTON. Red, shaded with crimson.
GIANT OF BATTLES. Intense crimson, delicate.
LA FRANCE. Silvery rose; sweetest of all.
LA REINE. Rosy pink; large, hardy and useful.
MADAME PLANTIER. White; fine form.
MABEL MORRISON. Pure white.
MADAME VICTOR VERDIER. Crimson and carmine; large and full.
MAGNA CHARTA. Pink, suffused with rose; good shape.
PAUL NEYRON. Deep rose color; largest of all.
PERLES DES BLANCHES. Pure white; medium size.
ULRIC BRUNNER. Cherry red flowers, large and full.

Strong plants, 2 years old; 30c. each; $3.00 per doz., by express only, not prepaid.

Roses==Continued.

MOSS ROSES.

Much admired for their beautiful buds. They are very desirable for out-door culture, being perfectly hardy, and bearing hardships and neglect well.

GLORY OF MOSSES. Rosy carmine, perfectly double

PERPETUAL WHITE. Flowers in large clusters.

ZEBRINA. Crimson purple. Extra large and fragrant.

SALET. Flowers fragrant and mossy; large and very double; a satiny pink color; constant bloomer.

CLIMBING ROSES.

Very ornamental to cover arbors, verandas, etc. They bloom very profusely early in the summer, and are perfectly hardy

PRAIRIE QUEEN. Flowers clear bright pink

SEVEN SISTERS, or GREVILLE. Flowers in large clusters, varying in colors from blush to crimson.

BALTIMORE BELLE. Fine pale blush, nearly white flowers, borne in beautiful clusters. A splendid bloomer.

GEM OF THE PRAIRIE. Crimson-colored, fragrant.

Large size, 30c. each; $3.00 per doz.; not prepaid.

PERSIAN YELLOW.

An elegant, hardy, golden-yellow rose, which stands our hardest winter of the North perfectly. Every lover of the Rose should have it in the garden. Fine large plants, 35c. each; $3.00 per doz.; not prepaid.

TREE ROSES.

We import from one of the best rosarians in Europe, large quantities of Tree Roses, 4 to 5 ft. high, which we can recommend to our customers as first-class healthy stock in every respect. Ordering these, please state which color you want. $1.00 each; $9.00 per doz. (by express, not prepaid).

COLLECTION OF ROSES.

For **$1.00** we will send by express (not prepaid), **4 Large Roses—1 HYBRID PERPETUAL ROSE, 1 PERSIAN YELLOW, 1 CLIMBING ROSE, 1 MOSS ROSE.**

For **$2.50** we will send by express (not prepaid), **10 Large Roses** (2 years old) containing:

4 HYBRID PERPETUAL ROSES.

3 CLIMBING ROSES, different varieties.

3 MOSS ROSES, 1 White, 1 Pink, 1 Red.

For **$5.00** we will send by express (not prepaid) an assortment of strong, healthy plants, consisting of

2 TREE ROSES, different varieties.

10 HYBRID PERPETUAL ROSES, leading sorts.

3 MOSS ROSES, different colors.

2 CLIMBING ROSES.

Considering the exceedingly low price of this collection, we cannot allow any change from our selection of varieties.

CHRYSANTHEMUM.

The attention given these grand and universally favorite flowers has been of late years greatly increased by Annual Chrysanthemum Shows.

CULTURE. Plant in good open soil and sunny situation. Lift them about September 15th, give plenty of pot room and shade them from the sun for a few days; after which give them plenty of water and once a week manure water.

THE GEM LIST OF CHRYSANTHEMUMS.

LILLIAN B. BIRD. A splendid grower and free bloomer. The flowers are of a bright pink color, almost the same shade as the well-known La France Rose. 25c. each, prepaid.

E. G. HILL. Deep golden yellow with bronze shadings. Very fine. 25c. each, prepaid.

LOUIS BOEHMER. Enormous flowers of silvery-pink color with deep rose on the inside of petals. The soft feathery growth with which the flowers are thickly studded make them very attractive and distinct. 25c. each, prepaid.

MRS. CARNEGIE. The flowers are of immense size, deep crimson, reverse of petals lighter. 20c. each, prepaid.

HARRY E. WIDENER. The finest lemon-yellow out. A free grower, producing the most perfect shaped flowers. Flower a model of fine form. 25c. each, prepaid.

L. CANNING. The large, flat flowers are clear white. 25c. each, prepaid.

W. H. LINCOLN. Flowers of splendid size, bright yellow, petals straight, flat and spreading. 25c. each, prepaid.

PENELOPE. Very large and full blooms, of a fine rosy-pink color. 25c. each, prepaid.

WABAN. Bears large, pink flowers on stiff stems. Fine for exhibitions. 25c. each, prepaid.

MRS. J. WANAMAKER. The immense flowers are incurved; coler silvery-rose outside, carmine within. Exceedingly showy. 25c. each, prepaid.

one each of above 10 varieties for $1.75, prepaid.

Ornamental Climbing Plants.

Everyone who is the fortunate possessor of a few feet of ground or has a larger space at his command, will upon trial, give the Hardy Climber the premium over all hardy plants for easy culture, graceful appearance and grandeur of flowers. They thrive and flower anywhere, let it be in our crowded, smoky cities where the better class of hardy shrubs refuse to grow, or in situations more congenial

CLEMATIS.

The justly proud queen of all climbers, with its large star-shaped flowers 4 to 7 inches in diameter, which are produced from June until October. Of rapid growth, it delights in rich soil and a sunny position. It is perfectly hardy, and when well established is a most profuse bloomer.

COCCINEA. New, distinct variety, with brilliant scarlet flowers, small and thick; splendid acquisition. 25c. each; $2.50 per doz.

CRISPA. Flower delicate shade of blue, small, very numerous; beautiful. 25c. each; $2.50 per doz.

FLAMMULA. Flowers small, white and very fragrant; ornamental foliage. 25c. each; $2.50 per doz.

HENRYII. One of the best, of robust habits, free bloomer, large, finely formed, of a beautiful creamy white, perfectly hardy, extra strong plants. $1.00 each; $10.00 per doz.

JACKMANNI. Dark purple. A very free bloomer, and the best known species of the clematis. Hardy, extra strong and healthy roots. 75c. each; $7.50 per doz.

LAWSONIANA. Rosy purple, slightly marked with darker veins; large and beautiful. $1.00 each; $10.00 per doz.

MRS. BATEMAN. Pale lavender; summer and autumn bloomers, flowering in profuse masses. 75c. each; $7.50 per doz.

RUBELLA. Rich claret purple; a handsome variety, of the Jackmanni type. 75c. each; $7.50 per doz.

SIEBOLDII. Lavender color; very fine. $1.00 each; $10.00 per doz.

STANDISHII. Light mauve purple. Early spring bloomer, flowering from May until June. 75c. each; $7.50 per doz.

VITICELLA. Pretty reddish-purple flower; blooms from July until September. 25c. each; $2.50 per doz.

One each of above 12 varieties for $6.75 (not prepaid).

CLEMATIS DAVIDIANA.

This new Japanese Clematis is not a climber but grows in the form of a shurb from 2 to 4 feet high, and is covered with fresh, bright foliage. It bears long, tubular, bell-shaped flowers of deep lavender color and delightful fragrance. *It is one of the finest of hardy plants.* 35c. each; 3 for $1.00.

AMPELOPSIS. VEITCHII.

Boston Ivy. Japanese Woodbine.

Unexcelled as a hardy climbing vine for covering walls; it clings firmly to the smoothest surface, and being of luxuriant growth, covers it with a perfect mass of beautiful foliage, changing to the brightest shade of crimson and yellow in the autumn. Quite hardy and deservedly popular. Small plants, 15c. each, $1.50 per doz. Extra large, strong plants, 50c. each (not prepaid.)

AMPELOPSIS. QUINQUAEFOLIA.

Virginia Creeper.

Perfectly hardy climber of rapid growth; fine for covering walls or unsightly objects. 25c. each.

BIGNONIA RADICANS.

Trumpet Flower.

A rapid growing climber, with large scarlet, trumpet-shaped flowers. 20c. each.

MANETTIA VINE.

This is one of the showiest and most beautiful climbers, and although not hardy, is a splendid acquisition for the flower garden, where it will attain a height of six to ten feet in one season. If grown in the house, it will bloom almost continually The tubular flowers are intense scarlet, tipped with bright yellow, making, with the bright green foliage, a most striking combination. 15c. each; $1.50 per doz.

MANETTIA VINE.

HONEYSUCKLES.

CHINESE TWINING. Blooms at intervals through the summer, and retains its foliage late in the winter; flowers nearly white; quite distinct. 15c. each.

HALLEANA. Color white, changing to yellow; very fragrant; blooms from June to November. 15c. each.

MONTHLY FRAGRANT. A fine, rapid-growing variety; flowers large and very fragrant; color red and yellow; a constant bloomer. 15c. each.

SCARLET TRUMPET. A strong, rapid grower; blooms very freely the entire season; bright red, trumpet-shaped flowers 15c. each. Large plants, by express, 25c each.

WISTERIA.

Very popular, hardy; rapidly growing to a height of 50 feet or more. It flowers in early spring, and when in bloom is truly magnificent.

SINENSIS, BLUE. Color soft lavender blue. Flowers in masses like a bunch of grapes, Fragrant. 35c. each.

SINENSIS, WHITE. Pure white color, making a marked, striking and elegant contrast with the blue variety. 35c. each

ARISTOLOCHIA SIPHO.

Dutchman's Pipe.

A magnificent hardy vine of rapid growth, with large heart-shaped leaves and brownish flower, resembling in shape a miniature pipe 35c. each

AKEBIA QUINATA.

A very beautiful, perfectly hardy, fast growing Japan vine, with magnificent foliage; producing flowers in large clusters of chocolate purple color, possessing a most delicious perfume; unsurpassed for covering trellises and verandas, the foliage never being attacked by insects. 15c. each.

MADEIRA VINE.

Mignonette Vine.

H. H. Succeeds in almost any soil; of easy cultivation; most excellent for baskets, vases, or trellises. Leaves dark green; bears a small, white, fragrant flower. 10c. each; 50c. per doz.

CINNAMON VINE.

H. H. A beautiful, rapid and charming climber, forming a canopy of bright green leaves and delicate, small white flowers, with most delightful cinnamon odor. The plants are grown from bulbs, and are splendid for window ornaments or outdoor culture. 15c. each, 2 for 25c., $1.25 per doz.

HARDY PERENNIAL PLANTS.

These are now receiving more attention than they have for many years; their culture is becoming very popular, as it should. They are indispensable for any garden, as they are among the most beautiful of Nature's gems. *Shipped by express only.*

This List embraces the most noteworthy.

HARDY ASTERS.

A beautiful, hardy class of plants, of easy culture. They bloom during late summer and fall in the greatest profusion. They rival the Chrysanthemums in beauty, and continue in bloom much longer. Assorted, $1.00 per doz.

ASTILBE JAPONICA.

The Astilbe or Spiræa Japonica is a very pretty, dwarfish plant, with handsome, glossy foliage, and delicate, feathery trusses of very small flowers that are really elegant, and exceedingly useful for all ornamental work; of easy culture, very hardy, and should be in every garden, and it is the most satisfactory plant we have for cemetery purposes, as it requires no special care after being planted. It is also an excellent house plant, and one of the best to force for winter flowers. Extra strong imported clumps. 25c. each, $2.00 per doz.

DIGITALIS.

Exceedingly showy for the border and other half-shady places. Thrives in most any common soil. Flowers Gloxinia shaped, color from the purest white and yellow to purple. 25c. each, $2.00 per doz.

DELPHINIUM.

Larkspur.

The Perennial Delphiniums, like their relatives the Annuals, commonly called Larkspurs, are valuable plants, and in no other way can we get such a grand and constant display of blue flowers. Formosum is a most brilliant dark blue, by all odds the finest blue flower known among our hardy plants.

DELPHINIUM FORMOSUM. Dark blue flowers, large and brilliant, 25c.

EUPHORBIA COROLLATA.

White Forget-Me-Not.

This is one of the most valuable of all hardy plants. It grows under any treatment. Blooms from early summer till frost. The plant makes an immense head, covered with most lovely fine white flowers all summer long. Will flower and grow year after year without any attention. 15c. each, $1.50 per doz.

HOLLYHOCK.

There are very few plants whose flowers so perfectly combine large size and delicacy as the Hollyhock. Its flowers are quite as double, and almost as pure and perfect as those of the Camelia, and when we remember that they mass around a column from 3 to 5 feet in height, we get some idea of their beauty. Seeds sown in the spring produce plants that will bloom in the second summer. Plants set out in the spring will flower about midsummer, and for several years if not allowed to bloom too freely the first year. We have excellent, healthy young plants, grown from seed, that if planted in the spring will flower the first summer, and usually for two or three summers after. The colors are nicely assorted, so that almost every color, from white to purple, may be expected.

Hollyhock, double, assorted colors; good plants, will flower first season, 25c. each, $2.00 per doz.

IRIS.

This plant should be represented in every herbaceous border; they do well in any good soil, and show a variety in color that cannot be found in any other class of plants, including almost every combination of brown, blue and purple.

KAEMPFERI. Japan Iris; flowers differ from the ordinary kinds in being broad and flat; they exhibit a wonderful variety of colors and shades, and appear later than the others; they rank among the most desirable of hardy plants; succeed best in a moist soil. 25c. each, $2.50 per doz.

HARDY PINKS.

The Double Garden Pinks bloom early, are dwarf in habit. Most of them are white, with colored margin, and very fragrant; should be in every garden. Fine sorts, 25c. each, $2.00 per doz.

HERBACEOUS PÆONIES.

These are showy, beautiful and easy-cultivated plants that recommend themselves to every one who has a garden; they are very hardy, require but little care and will give a fine display of double large flowers for nearly three months, by selecting from the earliest to latest varieties.

POTTSII. An early crimson, fine color.

WHITLEII. Magnificent, large; white, yellow center

HERCULES. Tall, rather early, immensely large, bright clear rose flowers, full and double; fragrant.

REEVESI. Fine, free, double; incarnate, with delicate purple tinge, inside petals projecting; center rosy.

TRICOLOR. Tall, large, full, double; inside row salmon flesh, feathered purple; next row of irregular length, salmon sulphur, center purple edged; fragrant and superb.

FRAGRANS, or ROSE SCENTED. Late flowers; double, centre projecting; deep rose color, exquisitely fragrant.

COMTESSE DE PARIS Fine blush, with yellow centre.

Above named varieties, 50c. each; $4.00 per doz.

MIXED VARIETIES—COLORS SEPARATE.

PINK, RED and WHITE.

Strong roots, 25c. each; $2.50 per doz.

BLEEDING HEART.

Discentra Spectabilis.

A handsomely, curiously formed, rosy crimson flower, with white and blue tinged protruding stamen. One of the finest border plants; is quite hardy. 25c. each.

DOUBLE DWARF SUNFLOWER.

Helianthus Multiflorus-Plenus.

In this variety of Helianthus we have a gem, one that should be in every garden. The plants attain a height of about 4 feet, and, in their blooming season, which is in August and September, they are nearly covered with bright golden-yellow double flowers, about the size of a Dahlia. The flowers are very desirable and showy for cutting, remaining bright and fresh for several days. A perfect gem. It never needs to be replaced and will come up every year. Roots, each, 15c.; 2 for 25c.: $1.25 per doz.

HARDY PERENNIAL PLANTS—Continued.

HEMEROCALLIS FLAVA.
Golden Lily.

Plants grow 3 feet high and bear through the summer numerous golden-yellow, sweet-scented, lily-like flowers, 5 inches in length. Among all our extensive list of yellow lilies none produce as good flowers as this, though it is not properly a lily. 35c. each, $2.00 per doz.

LYCHNIS VISCARIS.

This is truly a magnificent plant, bearing large, double, brilliant crimson flowers early in spring. Height 12 to 18 inches. Its flowers appear in clusters, borne on tall, graceful stems. 25c. each, 3 for 60c.

LOBELIA CARDINALIS.

A fine Border Plant, with spikes of brilliant scarlet flowers, and should be in every garden, as this particular color is so seldom found in the hardy perennials; thrives in any soil. 3 feet high. 25c. each, $2.00 per doz.

PERENNIAL SWEET PEA.

The Perennial Pea is so hardy, so continuous a bloomer, so good both in flowers and foliage, and so vigorous a climber, that we advise everyone to plant it. The plants grow to a height of 10 feet or more, and produce their flowers in clusters, improving each year. Pink or white, good roots, 25c. each.

PENSTEMONS.

They are hardy with a very little covering in winter. The flowers are of great size, bell-shaped and marked and marbled in beautiful bright shades; they bloom abundantly from June to October, and should be found in every hardy border. Give them a rich, open soil. 20c. each, $2.00 per doz.

HARDY PHLOX.

One of the finest of all outdoor flowering plants. Young plants bloom profusely the first season, and they remain from year to year without protection, and always increase in beauty. The improvement in these, of late, has been remarkable. Fine collections from open ground, extra choice variety, 20c. each, $1.50 per doz.

YUCCA.

The Yuccas are erect and noble plants, with long, narrow, strong, sharp-pointed leaves, with a peculiar tropical aspect. It sends up a strong flower stem in the middle of the summer, bearing a large spike of whitish flowers.

YUCCA FILAMENTOSA. Strong 1-year old roots, 30c. each; strong 2-year old roots, 60c. each; seeds of Yucca, per pkt., 20c.

AZALEA INDICA—IMPORTED.

Fine plants, well budded.

For prices send for fall catalogue. Ready Sept. 1.

HARDY ORNAMENTAL SHRUBS.

No lawn or garden is complete without its Hardy Shrubs, than which there are few things more satisfactory for grouping, ornamental hedges, or for permanent lawn or garden decorations of any kind. In style of growth, color of flower and time of blooming they are so varied that by careful selection a dozen varieties may be chosen that will produce a mass of showy flowers, from early spring until frost makes its appearance.

In the following list we have given time of flowering.

Special prices and suggestions for desirable assortments or groups, hedges, etc., will be made upon application, stating for what purpose wanted. Of the following we send large plants by express. These give better satisfaction, as they make a quicker show.

ALTHÆAS. Double, variegated and purple; handsome shrubs. 50c. each.

ALTHÆA. New, variegated leaved; foliage beautifully edged with white; flowers purple. 50c. each.

CALYCANTHUS FLORIDUS. (Spice Bush.) Chocolate-red, fragrant. June and July. 35c each.

DEUTZIA CRENATA ALBA PLENA. Double, white, upright. June. 35c. each.

DEUTZIA CRENATA ROSEA PLENA. Rose; beautiful. June. 35c. each.

DEUTZIA GRACILIS. White, in panicles. May and June. 35c. each

HYDRANGEA PANICULATA GRANDIFLORA. Immense panicles of large, white, ray flowers; one of the best shrubs. September, October. 50c. each.

LILAC. (*See Syringa.*)

LONICERA TARTARICA. (Tartarian Honeysuckle.) Pink flowers; red berries. May. 50c. each.

PÆONIES, TREE. Magnificent, large flowers. 50c. to $1.00 each.

PHILADELPHUS CORONARIUS. (Mock Orange.) Fragrant, white flowers. June. 50c. each.

PHILADELPHUS GRANDIFLORUS. Large flowers; white. July. 50c. each.

RHODODENDRONS. Large plants in bud. May. $1.50 to $4.00 each.

SPIREA JAPONICA. Showy Clumps. 25c. each.

SYRINGA VULGARIS. (Common Lilac.) Purple, fragrant. June. 25c. and 50c.

SYRINGA VULGARIS ALBA. (White Lilac.) Fragrant. May. 50c. each.

VIBURNUM OPULUS. (Snowball.) Globular heads of white flowers. May and June. 25c. and 50c.

WEIGELIA ROSEA. Rose-colored; elegant shrub. May. 50c. each.

WEIGELIA CANDIDA. White; beautiful. May. 50c. each.

WEIGELIA VARIEGATA. Pink, foliage variegated. May and June. 50c. each.

ORNAMENTAL AND SHADE TREES.

Prices from 50c. to $2.00 each, according to size and variety.

Please send list of varieties and sizes for special prices, when about to plant. We can furnish a great variety of trees, including:

ASH. White, American, European Mountain, Weeping.

BEECH. Purple, Cut-leaved, American.

BIRCH. Weeping, Cut-leaved, Canoe, Red, Sweet or Black.

CHESTNUT. Horse Chestnut, Red and White Flowering, Sweet.

ELM. American, English, Weeping.

LINDEN. American, European.

MAGNOLIA. Acuminata, Tripetala.

MAPLE. Norway, Sugar, Scarlet, Rock, Weir's Cut-leaf, Silver.

POPLAR. Balsam, Silver-leaf.

OAK. White, Royal, Red, Burr.

SPRUCE. White, Blue, Hemlock, Norway.

PINE. Austrian, Norway, Pitch, White, Scotch.

HEDGE PLANTS. Arbor Vitæ, Buckthorn, Privet, Pyrus Japonica, Norway Spruce, Hemlock Spruce.

Prices according to size. Please correspond.

SMALL FRUIT PLANTS.

STRAWBERRIES.

By Mail at Dozen Rates.

SOIL AND CULTURE.

It is generally admitted that the very best soil, and the one adapted to the largest number of varieties, is a deep sandy loam, moist but not wet in its natural state. A selection of such ground, if possible, is to secure one of the best conditions of success. It is, however, not essential to their cultivation, as there are many choice varieties that will grow in the extremes of sand or clay if well manured and fertilized. Ground bone is an excellent fertilizer. In setting out the plants expose as little as possible to wind or sun; do not plant deep, but press the earth very firmly about the roots. In warm weather it is well to shade the plants for a few days after planting. Set in 3-foot rows, 15 inches apart to row for field culture and 15 inches each way for garden. It is well to leave a pathway at every third row. A long season of fruiting may be had by planting varieties, each maturing differently—early, medium and late. Strawberry plants are of two kinds: Bi-sexual, or Perfect; Pistillate, or Imperfect. The imperfect varieties will not produce fruits unless Perfect flower sorts be planted every third or fourth row to properly polenize them. When properly fertilized Pistillate varieties are the most prolific. In the following list those marked "P" are Imperfect.

For further culture instructions we recommend the illustrated "Strawberry Culturist," by Fuller, price 20c.; "Success with Small Fruits," by Roe, price $5, and "Barry's Fruit Garden," price $1.25. See book list.

JESSIE. Medium Late. The plant is a stout, luxuriant grower, with no rust. The berries are very large, and continue large to the last picking; beautiful color, and delicious pineapple flavor; very prolific, and flourish in all soils. 35c. doz., $1 per 100.

MONMOUTH. Extra Early. For an early berry for the home garden, or where an extra early berry is profitable for market, this sort is highly recommended. The fruit is large, regular and uniform size, of bright crimson color, fresh and attractive in appearance, of superior quality. It remains a long time in bearing. 35c. per doz., $1.00 per 100.

CRESCENT SEEDLING (P). Early, vigorous, hardy and productive. Will produce a good crop, and endure greater neglect than any other Strawberry. Medium size continuing a long time in fruit. 30c. per doz., $1.00 per 100.

BIDWELL. Especially recommended for an early berry for heavy soils. Fruit is large and of excellent quality. 35c. per doz., $1.00 per 100.

WARFIELD No. 2 (P). This is rapidly taking lead for market gardening. Is of vigorous growth, hardy, and of regular form; extremely productive. It has an agreeable flavor and fine color; ripens early. 35c. per doz., $1.00 per 100.

BUBACH No. 5 (P). Ripens mid-season. Unsurpassed in productiveness and fruit is in many instances enormous, and the average large and handsome. 35c. per doz., $1.00 per 100.

WILSON. Vigorous and productive. A well known variety. 30c. per doz., $1.00 per 100.

SHARPLESS. One of the most popular varieties. Plant is vigorous, quite free from rust or blight. Fruit is large and irregular in shape. 30c. per doz.. $1.00 per 100.

CHAS. DOWNING. Ripens mid-season. Excellent variety for family garden. Does well in a variety of soils. A bed of these will remain in bearing a long time without renewing. 30c. per doz., $1.00 per 100.

POT GROWN PLANTS. For fall planting, ready in August. 50c. per doz., $3.00 per 100.

CURRANTS.

Set four feet apart in rich ground; cultivate well or mulch heavily, prune out old wood so that each remaining shoot will have room to grow. If the currant worm appears, dust with Peroxide Silicate.

FAY'S PROLIFIC. New, long-stemmed, large, red, superior. 25c. each, $3.00 per doz.

VERSAILLES. Long-stemmed, cherry, red, desirable. 15c. each, $2.00 per doz.

VICTORIA. Extremely productive, good size. 10c. each, $1.50 per doz.

WHITE GRAPE. The best, large, white, 15c. each, $2.00 per doz.

LEE'S PROLIFIC. New, large, long-stemmed, black; fine. 20c. each, $2.00 per doz.

Our prices per dozen are for well-established plants, either for two or three years. Will send good plants, one year old, for half the price.

RASPBERRIES.

The Raspberry should be planted in good, rich soil, in rows 5 feet apart, and 3 feet apart in the rows. As soon as they have done bearing, cut out the old wood, to give more vigor to the young canes.

TURNER EARLY. Fruit medium to large, bright crimson, 60c. per doz., $2.00 per 100.

CUTHBERT. Queen of the Market. Conical, crimson, large, sweet and firm. 50c. per doz., $1.35 per 100.

GOLDEN QUEEN. The most productive and by far the best and most hardy yellow. 15c. each, $1.00 per doz.

DOOLITTLE'S IMPROVED BLACK CAP. 60c. per doz., $1.50 per 100.

GREGG BLACK CAP. Very large, fine. 50c. per doz., $1.35 per 100.

BLACKBERRIES.

Should be planted in rows 6 to 7 feet apart, 3 to 5 feet in the rows. Keep the ground light and rich. Pinch the canes back when they have reached 4 feet in height.

EARLY HARVEST. Fair size, early, good flower, productive; entirely hardy. 50c. per doz., $2.00 per 100.

SNYDER. Standard sort for hardiness, medium size, second early. 50c. per doz., $2.00 per 100.

Neither Kitatinny, Lawton or Wilson hardy here.

GOOSEBERRIES.

Plant 3 to 4 feet each way, manure well, and after fruit is gathered prune out all old wood.

DOWNING. Large fruit, seedling of Houghton; prolific and excellent. 10c. each $1.25 per doz., large plants $2.00 per doz.

INDUSTRY. New English sort, of very large size, hardy and prolific, 2 years. 25c. each, $2.00 per doz.

SMITH'S IMPROVED. Medium, oval, light green, sweet and very productive. 10c. each, $1.25 per doz. Large plants, $2.00 per doz.

HOUGHTON. Small, but productive; best for use. Same price.

GRAPES.

We offer a select list of the most desirable American Grapes. Our list includes only such as have been thoroughly tested, and we know them to be good. If desired, will send 1-year roots by mail, but our 2-years are No. 1 large, and can be sent only by express; not prepaid.

BRIGHTON. Large bunch and berry, very early, good table grape, red. Each by mail 20c., by exp. 30c.

CONCORD. Two to three year. Each by mail 15c., by exp. 25c.

DELAWARE. Each by mail 25c., by exp. 35c.

DUCHESS. A new, early green grape; good-sized bunch and berry; delicious. Each by mail 25c., by exp. 40c.

EMPIRE STATE. Quite recently introduced; a decidedly good green grape. Each by mail 30c., by exp. 50c.

JEFFERSON. Large berry and bunch, quality good, shade reddish. Each by mail 40c., by exp. 60c.

HARTFORD. One of the earliest. Each by mail 20c., by exp. 30c.

LADY WASHINGTON. New, green, bunch very large, quality excellent. Each by mail 40c., by exp. 60c.

MARTHA. The oldest hardy green grape; quite early, quality fair. Each by mail 25c., by exp. 35c.

MOORE'S DIAMOND. Claimed to be "the finest white grape yet produced in America." Berries very large, bunch large; newest sort. Each by mail 75c., by exp. $1.00.

MOORE'S EARLY. The earliest, good black grape; vine hardy, bears heavily; desirable. Each by mail 20c., by exp. 25c.

POCKLINGTON. Golden green; bunch and berry good size; quality very good. Each by mail 30c., by exp. 50c.

WILDER. One of the best of Rogers' hybrids; large, black, excellent. Each by mail 25c., by exp. 40c.

One each of the 13 kinds, two years old, No. 1, by express, $5.00.

VEGETABLE PLANTS.

Price List of Vegetable Plants and Roots, by Express, Not Prepaid.

	DOZ.	50.	100.	1000
EARLY CABBAGE. (**Once transplanted.** *Ready April 1st.*) *Varieties:* Jersey, Wakefield, Early Summer, Early Flat Dutch, Winningstadt, All Seasons, and Chicago Market Garden		$ .40	$ .75	$4.50
LATE CABBAGE. (**From seed beds.** *Ready June 20th.*) *Varieties:* Premium Flat Dutch, Large Drumhead, Fottler's, American Savoy, Red Drumhead and Chicago Market Garden,		.20	.30	1.75
EARLY CAULIFLOWER. (**Once transplanted.** *Ready April 1st.*) *Varieties:* Early Paris, Early Snow Ball and Dwarf Erfurt		.60	1.00	6.00
LATE CAULIFLOWER. (**From seed beds.** *Ready June 20th.*) *Varieties:* Le Normand Short Stem and Veitch's Autumn Giant		.40	.75	4.50
CELERY. (Sheared back several times during growth. *Ready July 1st.*) *Varieties:* Crawford's Half-Dwarf, White Plume, Golden Dwarf, New Rose Perfection Hartwell, and Golden Self-Blanching		.25	.35	2.50
SWEET POTATO. (*Ready May 10th.*) *Varieties:* Yellow Jersey, Nansemond and Red Bermuda		.25	.35	2.50
TOMATO. (**Twice transplanted.** *Ready May 10th.*) *Varieties:* Acme, Favorite, Livingston's Perfection, Paragon, Beauty and Mikado	$ .20	.60	1.10	
SAME varieties, once transplanted	.10	.50	1.00	
CHIVES. (**Strong Clumps.**)	1.00			
PEPPER. (**Twice transplanted.** *Ready May 15th.*) *Varieties:* Large Bell, Golden Dawn, Sweet Mountain, Ruby King and Cayenne	.20	.60	1 00	
EGG PLANT. (**Twice transplanted.** *Ready May 15th.*) *Variety:* Improved New York Purple	.30	.80	1.50	
ASPARAGUS ROOTS. (**Strong.** *Ready Spring or Fall.*) *Varieties:* Conover's Colossal, Palmetto	.20	.50	.75	
RHUBARB ROOTS. Each, 15c	1.50			
HORSE RADISH SETTS. (**Slant cut ends.**)	.20	.50	.75	

INSECTICIDES.

PEROXIDES OF SILICATES.

A sure protection against the ravages of all Insect Pests that destroy the growing crops. When mixed with the Fertilizer it will destroy all grubs and worms in the soil. It kills the Colorado beetle or potato bug, the cabbage worm, and all kinds of bugs and insects that attack the tomato plant, kale, egg plant, cauliflower, cucumber, melon, squash and canteloupe vines, currant bushes, rose bushes, fruit trees, all shrubbery, etc., etc.

On tender vines dust lightly, and on hardier plants more liberally. The best time to apply the Silicates is when vegetation is wet from rain or dew. The Silicates being in the shape of fine powder, is readily applied by means of dusting through a cloth bag about the texture of a fine cheese cloth.

Absolutely safe. No danger of poisoning your stock, should any happen to eat of the vegetation treated by the Silicates. Price: 5 lbs., 30c; 10 lbs., 50c; bbl., (225-260 lbs.,) 4c per lb.

FLOWER OF SULPHUR.

For destruction of mildew on roses, etc. Blow it over the plants with a sulphur bellows. Lb., 10c; 10 lbs., 65c; 25 lbs., $1.50.

PERSIAN INSECT POWDER.

Sure death to all kinds of insects. ¼ lb., 25c; ½ lb., 40c; lb., $1.00.

PARIS GREEN.

Warranted pure. Write for special quotations in larger lots. ¼ lb., 15c; ½ lb., 25c; lb., 40c.

WHITE HELLEBORE.

Excellent for destroying rose slugs, currant worms, etc. Lb., 50c.

HAMMOND'S SLUG SHOT.

This preparation is well-known throughout the country, and large quantities are being sold every season. It kills potato bugs, currant worms, cabbage worms, lice, catterpillars—in fact every pest known to the gardener—while the mixture is in itself entirely harmless. 5-lb package, 30c; 10-lb package, 50c; bbl.,(225-260 lbs.,) 4c per lb. Tin canisters, with finely perforated top for dusting (filled) 25c each; by mail prepaid, 40c.

TRADE MARK.

WHALE OIL SOAP.

Dissolve 1 pound in 5 gallons of water, and sprinkle the stems and foliage, using a syringe or force pump. 2 lbs., not prepaid, 25c; 5-lb. box, 50c.

TOBACCO SOAP.

This soap is a most valuable article for shrubs, trees and animals. A single application will in most cases prove sufficient. In tne case of rose slugs, oleander bugs and red spiders, however, a second application is sometimes necessary. Pkt., 25c.

TOBACCO STEMS.

For smoking plants infested with green fly. Lb., 15c; bbl., $1.00.

BIRD SEED.

Add 8 cents per pound to these prices for postage, if by mail.

	Per lb.		Per lb.
Finest Mixed Bird Seed	$0 10	**Best Canary Seed**	$0 10
Best Hemp Seed	10	**Best Millet Seed**	10
Maw (Blue Poppy)	25	**Lettuce Seed**	35
Sunflower Seed for Mocking Birds	15	**Best Cuttle Bone, each**	05

TONQUILA.—A Condition Powder for Birds. Positively restores song, and is a general Tonic, building up the bird's constitution, giving new life and new vigor. Will be sent by mail on receipt of price, **10 cts.**

FERTILIZERS.

It is unnecessary to tell our customers that Chicago is recognized as headquarters for Commercial Fertilizer. Here is to be had material for the manufacturing of Fertilizer in large quantities and of highest grade. We have made special arrangements with the factory by which we are able to offer this article at the *lowest wholesale prices*, and solicit correspondence from parties wishing large quantities. We can save you money if you buy by the *sack, ton* or *car-load.* Every bag and barrel has a guaranteed analysis.

FINE RAW BONE, or Florists' Bone Meal.

Every bag is guaranteed pure bone. It is made from the bone gathered from the plains and farms without being steamed or baked. This well-known fertilizer for all fruits, roots, grain crops, pastures, lawns and for potting earth, needs no description. 10 lbs., 50c; 25 lbs, $1.00; bag, 200 lbs. $4.50; 1000 lbs., $20.00; ton, $35.00.

ANALYSIS.—Ammonia, 3 to 4 per cent. Bone Phosphate, 50 to 55 per cent.

PURE CRUSHED BONE.

A coarse article, particularly well-adapted for use in the preparation of grape vine borders; perfectly pure. 100 lbs., $3.00.

GARDEN VEGETABLE COMPOUND.

Success in growing vegetables depends on large production, good quality, and early maturity. To obtain this result, good seed, thorough preparation and cultivation of the soil and *rich, soluble fertilizers* are the essential conditions. Common sense naturally suggests that the best fertilizer for vegetables is one that is highly soluble and furnishes the food quickly, and only such nourishment as will be absorbed in vine, stalk, leaf and large fruitage. These elements are united in perfect proportion in the GARDEN VEGETABLE COMPOUND. Where applied, vegetables ripen ten to fourteen days earlier, and the increased production is usually one third to one-half larger than where it is not used. It is not an over stimulant, but yields nourishment as the growing crop absorbs. It is put up in bags of 100 and 200 pounds, odorless, clean to handle, and reasonable in price. Its application is simple. Directions accompany each package. 50 lbs., $1.50; 100 lbs., $2.75; 200 lbs., $4.50.

GARDEN CITY SUPER-PHOSPHATE.

This is a complete manure. Can we say more than this. The more inquiries you make and the more you investigate this fertilizer, the more readily you will use it. It has a guarantee on every bag. You can easily buy Rock Phosphate at $5.00 and $10.00 per ton more than this will cost, but if you do it is your misfortune. Use 200 or 300 pounds per acre. 100 lbs., $2.00; 200 lbs., $3.50.

ANALYSIS.—Ammonia, 2 to 3 per cent. Bone Phosphate, 24 per cent. Available Phos. Acids, 8 to 9 per cent. Sulph. Potash 1 to 2 per cent.

CELERY GROWER.

A new carefully prepared manure, especially adapted for celery growing. It is chemically suited to this crop, which demands high manuring. 50 lbs., $1.25; 100 lbs., $2.00; 200 lbs., $3.50.

ANALYSIS.—Ammonia, 3 to 4 per cent. Available Phosphoric Acid, 7 to 9 per cent. Sulphate of Potash, 2 to 3 per cent.

NITRATE OF SODA.

Should be sown boadcast, and it is very important to sow it EVENLY. Two or three pounds on a square rod will be beneficial. 25 lbs., $1.25; 50 lbs., $2.25; 100 lbs., $4.50; 200 lbs., $8.50.

CHICAGO LAWN FERTILIZER.

Stable dressing for lawns is objectionable in appearance, odor, weed seed and cost. This preparation for lawns overcomes all these objectionable features, and supplies the soil with requisite food for a uniform and luxuriant growth of grass. It can be applied either in the spring, summer or fall as a top dressing, at the rate of 1 pound to 16 square feet. In preparing a lawn in which grass seed is to be sown, a very good plan is to apply the Lawn Dressing and rake into the soil before, or at the same time of seeding, or it can be applied in solution by dissolving in water. Put up in packages as follows: 10 lbs., 50c; 25 lbs., $1.00; 50 lbs., $1.75; 100 lbs., $3.00.

EXCELSIOR FERTILIZER for POT PLANTS.

It is used by dissolving a teaspoonful to a pint of water and applying to the soil every few weeks. It starts the plants at once into a healthy and vigorous growth and abundant bloom. It is just the thing that has been wanted for a long time and every one is pleased with it. In packages, 15c; by mail, 25c; per doz., $1.10.

FLORISTS' PLANT FOOD.

This article has been made at the suggestion of florists, who desired to obtain an inexpensive, effective and odorless preparation, that would act quickly on plants and furnish food for flower and leaf. To meet this want we have prepared this special article, and its use is growing rapidly into favor. An application of this plant food will be observed in the vigorous growth of the flowers and a deep green foliage. The preparation is put up in bags, viz: 5 lbs., 50c; 10 lbs., $1.00; 25 lbs.,$1.75; 50 lbs., $2.00; 100 lbs., $4.00.

BOWKER'S PLANT FOOD.

An excellent fertilizer for house plants. Clean to handle, without odor, produces rich, green growth and profusion of flowers. Directions for use accompany each package. Small package. 15c; by mail, 20c. Large package, 25c; by mail, 40c.

BLOOD AND BONE FERTILIZER.

Manufactured of pure blood and bone. The quantity we use of this fertilizer, when applied broadcast for such crops as spinach, cabbage, beets, onions, or celery, is from 1 to 2 tons per acre, according to the condition of the land. For seed beds of cabbage, lettuce, etc., the same ratio of quantity is used. When this fertilizer is used in rows or in hills for such crops as celery, cabbage or early corn, from 100 to 200 pounds per acre will be enough. 100 lbs., $3.00; ton, $50.00

LAND PLASTER, or GYPSUM.

Per ton of 2,000 lbs., $12.00; bag of 160 lbs., $1.35. If wanted by car-load, write for prices.

NO. 1 PERUVIAN GUANO.

Genuine and free from adulteration.

ANALYSIS.—Moisture @ 212° F., 17.80 per cent.; Nitrogen, 3.90 per cent.; Equivalent to Ammonia, 4.73 per cent.; Potash, 4.26 per cent.; Total Phosphoric Acid, 22.89 per cent.; Equivalent to Bone Phosphate, 49.97 per cent. Lb., 15c; 5 lbs., 40c; 10 lbs., 70c; 50 lbs., $2.25; 100 lbs., $4.25; 200 lbs., $8.00; 1000 lbs., $36.00.

IMPERIAL EGG FOOD.

For all varieties of Laying Fowls, Young Chicks, Ducks, Geese and Turkeys.

It keeps Fowls in the best condition, and makes poultry the most profitable stock on the farm. It is estimated that one-half the chicks and turkeys annually hatched, die before reaching maturity. When the Egg Food is fed according to directions, sick and drooping chicks will never be seen. It supplies all the needed material for forming bone, muscle and feathers, and by its gentle tonic effect, strengthens the digestive organs and lays the foundation for vigorous, healthy and therefore profitable fowls. For ordinary feed mix one pound of the Egg Food thoroughly with fifty weight of meal, or half meal and half wheat bran, and wet up for morning meal with either hot or cold water. To start laying rapidly, in the usual quantity of meal, or bran and meal, for 15 or 20 fowls, stir in a tablespoonful of Egg Food, and wet up with hot water in cold weather. Per lb., 50c; 2½ lbs., $1.00. If to be sent by mail, add 16c. per pound for postage.

COARSE GROUND BONE. Prepared for chickens, etc. 25 lbs., $1.00; 50 lbs., $1.50; $100 lbs., $2 50.

Implement Department.

The Genuine Matthews' Seed Drills, Single and Combined; Hand Cultivators and Wheel Hoes.

THE BEST LINE OF IMPLEMENTS FOR PLANTING AND CULTIVATING VEGETABLE CROPS TO BE FOUND IN AMERICA.

MATTHEWS' SEED DRILL.

The Standard Drill of America.

NONE BETTER CAN BE PRODUCED.

Medals and testimonials confirming its superiority over all other Drills have been repeatedly bestowed upon it from all quarters; and as it has been improved from time to time it is now everywhere acknowledged to be the

MOST PERFECT DRILL

made. It has been many years in use, and its still increasing sale is the best evidence of its merit.

BEWARE

Of Cheap Imitations

OF THIS DRILL.

None genuine but those having the Patent Indicator.

All Drills are now furnished with the New Seed Cut-off, so no seed is wasted in turning at ends of rows, and with Improved Markers.

The Matthews' Drill is designed to be used in field or garden. When in operation, it opens the furrow, drops the seed accurately at the desired depth, covers it and lightly rolls the earth down over it, and at the same time marks the next row, all of which is done with mechanical precision, by simply propelling the drill forward. In this way it sows, with an evenness and rapidity impossible for the most skillful hand to do, all the different varieties of *Beet, Carrot, Onion, Turnip, Parsnip, Sage, Spinach, Sorghum, Peas, Beans, Broom Corn, Fodder Corn, etc.*

The agitator stirs the seed in the hopper thoroughly by a positive motion, which insures continuous and uniform delivery, and the bottom of the hopper is made sufficiently dishing to sow the smallest quantity of seed. A simple contrivance *accurately gauges the uniform deposit of the seed to any required depth*, thus avoiding the risk of planting at irregular depths, or so deep in places as to destroy the seed. The improved markers are made adjustable for the purpose of marking the rows any desired distance apart, and they mark them distinctly whether the ground is even or uneven.

It is also provided with an *Indicator having the names of different seeds thereon.* To adjust the Drill for planting different kinds of seed, it is only necessary to to turn the indicator around until the name of the seed to be planted comes to the indicator pin at the top. This ingenious invention is a great improvement upon any other method, and is infinitely more convenient and reliable. **Price, $7.50, boxed.**

MATTHEWS'

Improved Hand Cultivator.

One of the best Implements in use for weeding between row crops and for flat culture generally.

This implement is now made with a larger wheel, and with a larger flange to it. It is also provided with a new set of teeth of an improved pattern, having STEEL BLADES of the best quality, and as now constructed is greatly superior to what it was before, and is perfectly adapted for use in any kind of soil.

It is thoroughly constructed throughout, very durable and easy to operate. A boy can do as much with it as six men with hoes. It spreads from six to fourteen inches, and will cut all the ground covered, even when spread to its greatest extent. The depth of the cultivation may be accurately gauged by raising or lowering the wheel which is quickly done. **Price, boxed, $4.00.**

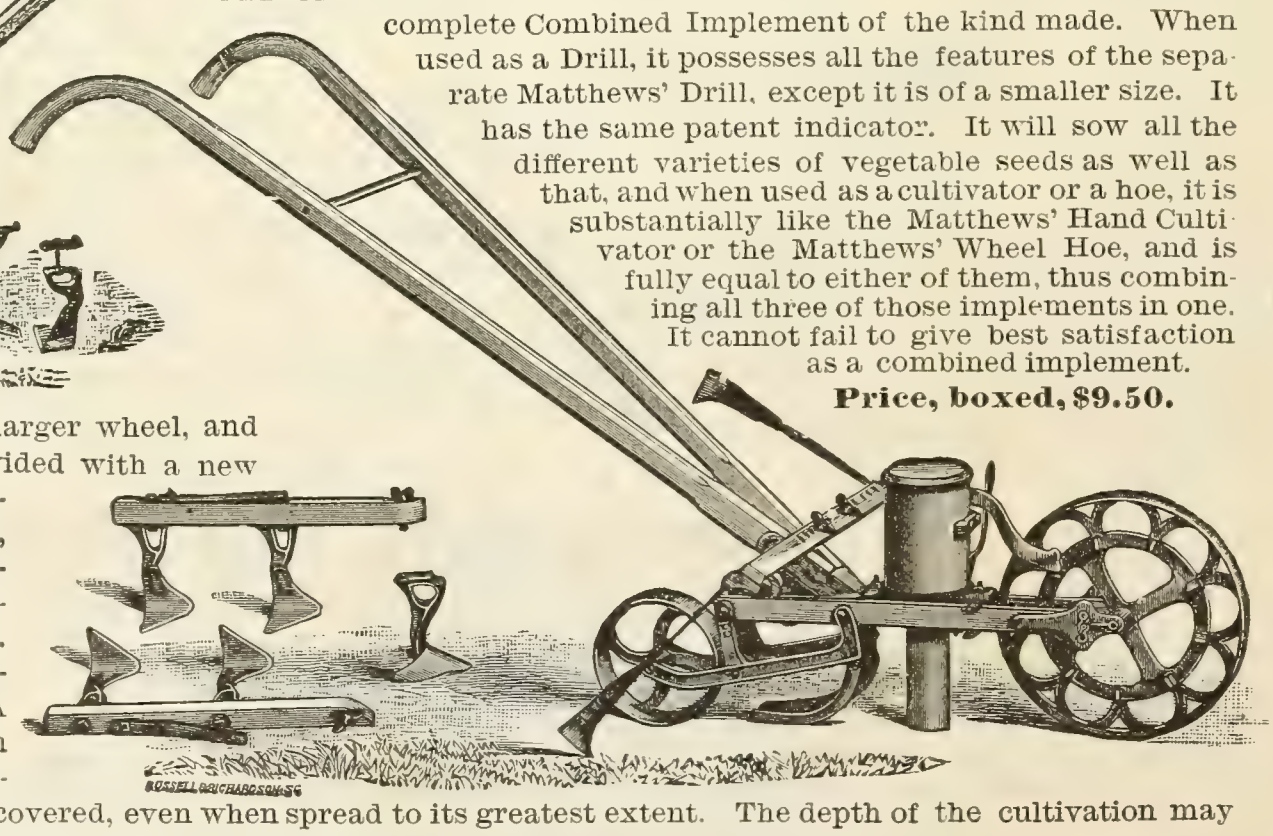
We can furnish for the Matthews' Improved Hand Cultivator, if desired, a pair of superior style *Hoes with long Steel Blades*, for use in exchange with the cultivator teeth, which are easily and quickly adjusted. **Per pair complete, $1.50.**

MATTHEWS' IMPROVED

Drill and Cultivator Combined.

THE MATTHEWS' DRILL AND CULTIVATOR COMBINED, is the most complete Combined Implement of the kind made. When used as a Drill, it possesses all the features of the separate Matthews' Drill, except it is of a smaller size. It has the same patent indicator. It will sow all the different varieties of vegetable seeds as well as that, and when used as a cultivator or a hoe, it is substantially like the Matthews' Hand Cultivator or the Matthews' Wheel Hoe, and is fully equal to either of them, thus combining all three of those implements in one. It cannot fail to give best satisfaction as a combined implement.

Price, boxed, $9.50.



THE PLANET JR. GARDEN TOOLS.

Send for a full Illustrated, Descriptive Catalogue for 1892 Mailed Free on Application.

Each year shows a marked increase in the use of this famous line of Tools. They are thoroughly constructed and deservedly popular. We offer them this season with all the latest improvements, and are confident that they will give fullest satisfaction to all purchasers.

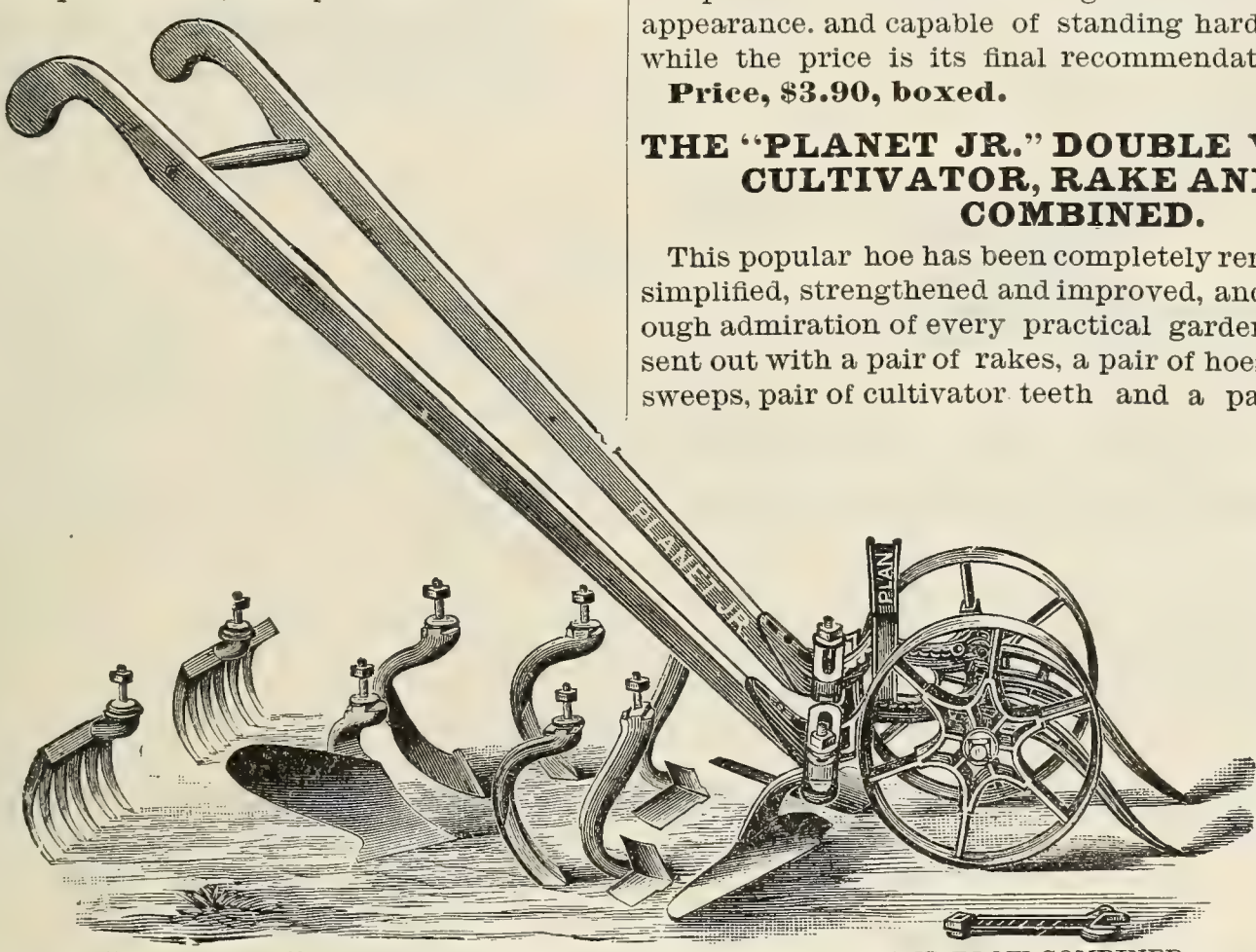
THE PLANET JR., NO. 2 GARDEN DRILL.

Sows all garden seeds accurately at any desired thickness or depth, opening, dropping, covering, rolling down and marking the next row all at one passage in the most perfect and reliable manner. It holds two and one-half quarts. It has no cams, covers, brushes, cogs, shakers or springs to get out of order. It is noiseless, automatic, self-cleaning and accurate; remarkable for simplicity, strength and for ease and perfection of work in the field.

Price, boxed, $7.50.

THE "PLANET JR.," COMBINED DRILL, WHEEL HOE, CULTIVATOR, RAKE AND PLOW.

This tool is unrivalled in beauty of design, perfection of finish, convenience and capacity for work. It is suitable for either the farm or the garden. As a seed drill it is the same as the No. 2 (see description above) except in size. It holds one quart. For after-care of the crop, it is supplied with a pair of rakes, a pair of long hoes, three reversible cultivator teeth, and a large garden plow. AS A RAKE, it is invaluable in preparing the garden for planting and also for delicate after cultivation of the crop, and for covering seed, etc. AS A HOE, it works safely and closely both sides of the row at once when plants are small; between rows when plants are large, working all rows up to 16 inches wide at one passage. AS A PLOW, it opens furrows, covers them, hills, plows to and from, etc. AS A CULTIVATOR, it is admirably adapted to deep mellowing of the soil. All the blades are tempered and polished steel. **Price, boxed, $9.50.**



THE "PLANET JR.," DOUBLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW COMBINED.

PLANET JUNIOR SINGLE WHEEL HOE

Is considerable lighter than the Double, and is supplied with one pair of hoes, three reversible cultivator teeth, two narrow and one broad; a large garden plow, and a pair of rakes. It is capable of a great variety of combinations and is admirably adapted to the use of small gardens. **Price, $5.00.**

THE "PLANET JR." HOLLOW STEEL STANDARD HORSE HOE, CULTIVATOR, COVERER, ETC.

This Horse Hoe has a great many advantages over the old "Planet Jr.," or any other similar tool. It has been remodeled and is now much stronger, simpler and better; wrought iron has been discarded and its place taken by steel; the malleable, improved in design and strength. The Hollow Steel Standards have been remodeled to increase their strength and usefulness, and the plates are now made with the patent sleeve, preventing the possibility of the bolts drawing through.

Price with wheel, all complete, $8.50.

THE "FIRE-FLY" WHEEL GARDEN PLOW

This little plow has been found very useful for gardeners and private families, in opening furrows, covering seed in drills and hilling growing plants. Weight, ten pounds.

Price, $2.35.

THE "FIRE-FLY" SINGLE WHEEL HOE, CULTIVATOR AND PLOW COMBINED.

This convenient tool has rapidly convinced practical gardeners of its high merits. It combines strength with great adjustability, while its highly polished and tempered steel tools, make gardening comparatively a pleasure. The tools are all made after the most perfect models, and are: First, a pair of admirable hoes which can be set to work to and from the row, and to any desired depth. Next, a set of three reversible cultivator teeth, to be used together or singly, or in conjunction with the hoes. Third, a large excellent garden plow. The whole tool is light and strong, attractive in appearance, and capable of standing hard usage for years, while the price is its final recommendation.

Price, $3.90, boxed.

THE "PLANET JR." DOUBLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW COMBINED.

This popular hoe has been completely remodeled; is greatly simplified, strengthened and improved, and merits the thorough admiration of every practical gardener. Each tool is sent out with a pair of rakes, a pair of hoes, a pair of 14-inch sweeps, pair of cultivator teeth and a pair of plows. The wheels are adjustable in height, and the arch is also high enough to enable the operator to work both sides of the row at once until plants are over 18 inches high; then the wheels can be set to run close together and the tool used between the rows. Leaf guards (detachable) go with each machine, to be used when plants extend into a wide row. This tool is light, very simple, very strong, made of the best material and highly finished, and nothing exceeds the perfection and variety of work it performs It will do the work of six men with ordinary hand hoes

Price, boxed, $6.50.

PLAIN DOUBLE WHEEL HOE.

To meet a demand from some sections, the "Planet Jr.," Double Wheel Hoe will be offered with only one pair of hoes, and without leaf guards, as the **"Planet Jr., Plain Double Wheel Hoe, at $4.00.** This makes a very effective and cheap tool for parties who have limited work or chiefly hoeing.

THE "PLANET JR." ELEVEN TOOTH HARROW, CULTIVATOR AND PULVERIZER COMBINED.

A very satisfactory new tool which will prove valuable for fine cultivation, deep or shallow. It has also the new lever wheel and lever attachment. It is valuable as a harrow and pulverizer.

Price, plain, without Pulverizer or Wheel, $5.50; without Pulverizer $7.25; complete, $9.25.

Seed Drills, Cultivators, Etc.

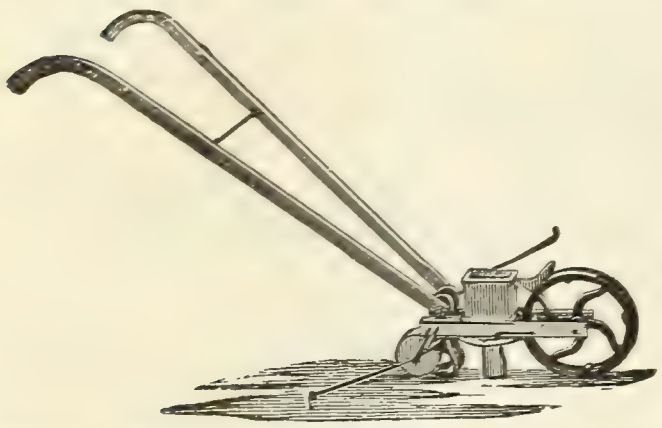
THE PLANET JR. HILL DROPPING GARDEN DRILL

This is an entirely new machine, the latest and best of the "Planet Jr." tools It holds two quarts, and sows all kinds of garden seed with the greatest regularity. The plow runs any depth from one-eighth to two inches It sows in drills as well as the No. 2 Drill (described pg. 83), and will also drop in neat hills either four, six, eight or twelve inches apart It can be changed from a hill to a drill dropping machine or the reverse, or can be thrown in or out of gear in a moment, and will not sow when run backwards. It is nicely adapted to working all conditions of land, especially well in fresh ground or when planting on a ridge. It has a force feed, so that the sowing is regular, no matter whether the drill is full or nearly empty. The discharge of the seed can be stopped instantly at the end of the row, so that none need be wasted. The Opening Plow and Coverer are specially adapted for the work they have to do, while the marker can be set any distance desired up to twenty inches. The ability to drop in hills is a great advantage, as it saves considerable seed, insures vigorous plants at even distances, and saves an immense amount of hand labor in thinning out. The machine is thoroughly well made and the best tool on the market **Price boxed, $9.50.** Extra attachment for sewing onion seed for sets in a band four inches wide, **50 cents.**

THE PLANET JR. COMBINED HILL DROPPING AND FERTILIZER DRILL.

This tool is also new for 1892, and as a drill, is exactly the same as the machine just described. The fertilizer hopper holds one peck. The fertilizer can be sown in any quantity necessary, either above or below the seed as desired, by setting that plow deeper or shallower than the other. The drills may be satisfactorily used also to sow either seed or fertilizer alone. The amount sown is regulated accurately by the dials, and the discharge of both may be stopped and started instantly, either separately or together, thus avoiding all loss at the ends of the row. Like the plain Hill Dropping Drill, it does not sow when drawn backward, and can be quickly thrown entirely out of gear. This machine will be a great boon to all farmers and market gardeners. It is thoroughly well made and guaranteed to do satisfactory work. **Price boxed, $14.00.**

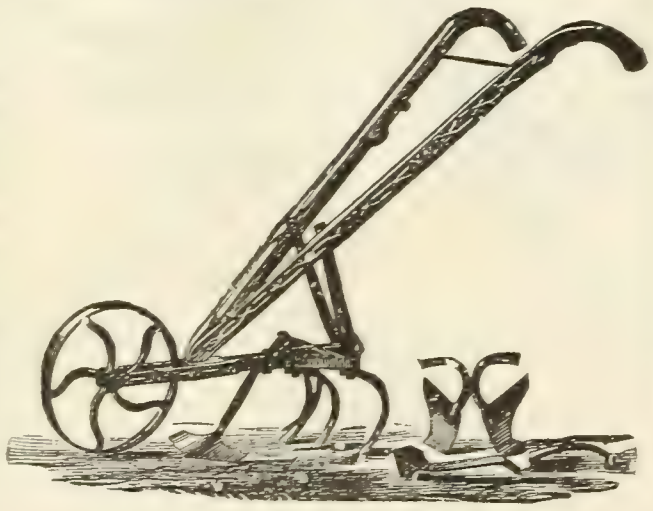
THE "LITTLE GEM" SEED DRILL.



This drill is a complete, practical one in every respect, just the thing for people with a small garden. Makes the drill, drops and covers most seed as perfectly as the most expensive drills, but is not large enough for the coarser seeds, like beans peas and corn. Weight only 20 pounds. **Price, $5.00.**

THE CELEBRATED GEM CULTIVATOR.

From our experience with this implement, we can say it can not be praised too highly. It working parts are, 2 Scuffles or Cutting Blades, one 4½ and one 9 inches wide; two Plows, right and left hand; five Stirring Teeth; all made of best steel. The handles and wheels are adjustable in height, the frame is so arranged that the hoes, teeth and plows can be set in almost any position or angle.



The Scuffle hoe makes a clean cut and is followed by the teeth—five or less—which thoroughly pulverize the soil, and drag out and expose to the sun the roots of the weeds cut by the hoe. In use keep the tooth on the right, quite as far out as the end of the hoe, using it as a guard; being of such slender shape it will not throw dirt enough to cover small plants. The hoes being made of thin steel, and presenting nearly a straight line to the work, avoids the "dodging" so common to tools of this kind. **Price complete, $4.50.**

For this machine is furnished a double wheel attachment and two extra steel blades. This addition is of great service in working both sides of the rows among your plants. Price, double wheel attachment, **$2.00;** double and single wheel combined, **$6.50.**

NEW MODEL SEED DRILL.

This new drill which possesses some points of advantage, is attracting considerable attention, and those who have used it, report that very satisfactory work is being done with it. We give briefly some of its principal features. *Full descriptive circulars sent on application.*

REGULATION OF DISCHARGE. This is accomplished by use of a slide with a pear shaped opening passing under the bottom of the seed reservoir, which is provided with a perforation of similar shape in a reversed position. This slide can be instantly adjusted to size indicated by index, or to a hairbreadth variation between—a vital point in a perfect drill.

THE INDEX, OR INDICATOR. Is plain, convenient and reliable; so placed that it can be quickly adjusted to the slightest variation.

CUT-OFF. The flow of seed can be quickly and conveniently stopped.

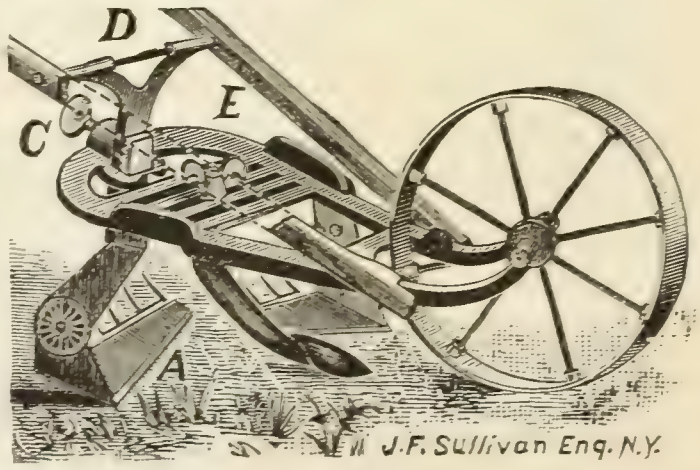
BROAD WHEEL. Of unusual width to prevent sinking into soft earth.

COVERING ROLLER. It is attached by a swinging frame, enabling the operator to roll lightly or otherwise, by varying the pressure on the handles. **Price, boxed, $7.00.**

A. H. MATTHEWS' GARDEN DRILL.

Somewhat similar to the genuine Matthews drill offered on page 77. Made with square seed boxes. HORIZONTAL INDICATOR, WROUGHT IRON MARKERS, STEEL DIAL GAUGE. **Price, $7.75.**

RUHLMAN WHEEL HOE.

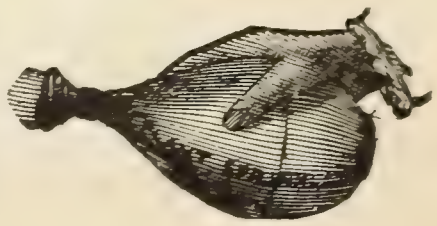


It is one of the most satisfactory wheel hoes. Can be adjusted to any width from seven to sixteen inches. Handles can be raised to suit; blades pitched to any angle. Is most valuable to onion raisers, as it can be run close up to the row Weight, 35 pounds. **Price, boxed, $4.00.**

LAWN SPRINKLERS.

CHICAGO Four Arm. $3.50 | **CHICAGO** Eight Arm. $5.00
GLORE. Very efficient. Can be used anywhere. By mail, postpaid.... 1.00
PERFECTION. About same style as Globe; postpaid 1.00

Perfection Rubber Sprinkler.



Valuable for showering house plants; also much used in the laundry. B myail, each, $1.00

—:THE GENUINE:—

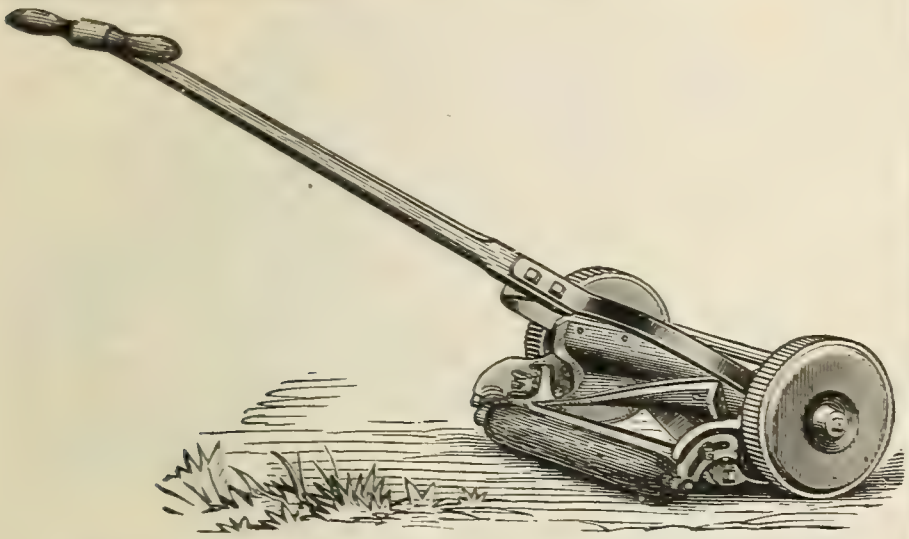
Philadelphia Lawn Mowers.

FULL DESCRIPTIVE CIRCULARS MAILED ON APPLICATION.

We are pleased to offer our customers the PHILADELPHIA LAWN MOWER, believing it to be the best Mower used. It is manufactured in various sizes, making it adaptable to all work required of a Lawn Mower.

STYLE D. (10 and 12 inch cut.)

These are intended for grass plots and lawns of less than one eighth of an acre, and for this amount of work are just about perfect, being far the most easy working and the lightest Lawn Mower made.



STYLE M.

STYLE M. (Width of cut 14, 16, 18 and 20 inch.)

These are the machines for general purposes, and the bulk of our sales are of this style. They are warranted to *run easy*, to be *as durable*, and to be capable of *cutting as high* grass as any Lawn Mower made, no matter how large wheels it has, or how heavy it may run.

STYLE S. (Width of cut 14, 16 and 18 inch.)

We have no hesitation in recommending these machines as LIGHT RUNNING and the *best* Open Wiper yet made. It has four spiral blades and a larger pinion than the "M" which gives it a little quicker clip, and thus will make a little smoother work at a close cut than Styles "D" and "M."

STYLE L. (High Wheel.)

We believe this to be the best high wheel Lawn Mower ever made. When the ground is soft or lumpy, or the lawn large but level, a mower with slightly larger wheels may have some advantage. It is warranted to do as good work and to cut as high grass as any machine on the market.

STYLE A. (Width of cut 17 and 19 inch.)

New Improved Open Wiper, High Wheel Mower for 1892.

This mower represents the highest skill in Lawn Mower manufacturing. Made from best material only, and of thorough workmanship throughout, it is the easiest running and most durable of the large size mowers, especially adapted for cutting high grass.

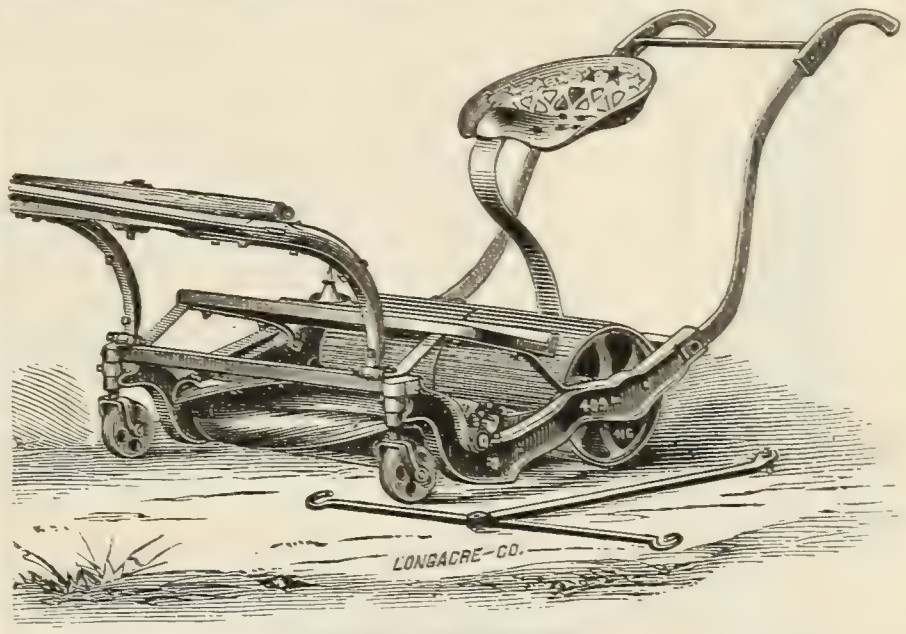
SPECIAL PRICE LIST FOR 1892.

10-inch	Hand	Mower,	Style	D	$4 65
12 "	"	"	"	D	5 65
14 "	"	"	"	M or S	6 25
16 "	"	"	"	M or S	7 00
18 "	"	"	"	M or S	7 90
20 "	"	"	"	M or S	8 75
15 "	"	"	"	L	8 75
17 "	"	"	"	L	9 25
17 "	"	"	"	A	12 00
19 "	"	"	"	A	13 00

PHILADELPHIA HORSE LAWN MOWER.

These machines are intended for Parks and large open grounds, and are constructed in a most thorough manner. They are designed to be what they have already proven themselves to be—the best Horse Lawn for Parks ever made.

Price, 30 inch complete, $100, net; 36 inch complete, $140, net.



HORSE LAWN MOWER.

PHILADELPHIA LAWN SWEEPER.

They are very simple in construction. The driving roller gives motion to a revolving brush placed directly in front, causing it to sweep the sod clean, and throw the sweepings backward from the top of the brush into a large box in the rear of the roller. It is made in two sizes.

Hand Machine Sweeps, 24 inches wide, price, $15, net.
Horse Machine Sweeps, 40 inches wide, price, $60, net.

LAWN ROLLERS.

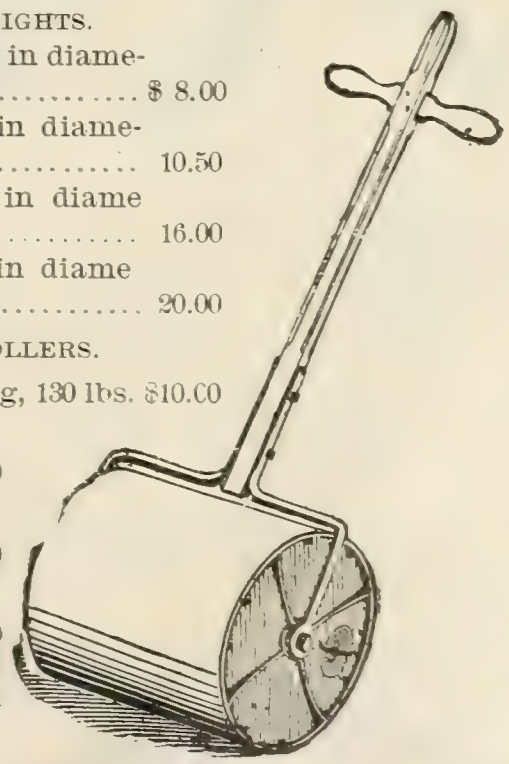
Are made in several sizes, having one, two, or three sections, as desired. They have weights adjusted on shaft, making them heavy and also sustaining the handle when not in use.

ROLLERS WITH WEIGHTS.

2 sec. ea., 7½ in. long, 15 in. in diameter, 125 lbs. ..... $ 8.00
1 sec ea., 12 in. long, 20 in. in diameter, 190 lbs. 10.50
2 sec. ea., 12 in. long, 20 in. in diameter, 300 lbs 16.00
2 sec. ea., 12 in. long, 24 in. in diameter, 400 lbs. 20.00

WROUGHT IRON ROLLERS.

No. 1—10 in. diam., 15 in. long, 130 lbs. $10.00
No. 2—12 in. diam., 18 in. long, 200 lbs. 12.00
No. 3—14 in. diam., 21 in. long, 300 lbs. 15.00
No. 4—16 in. diam., 24 in. long, 400 lbs. 20.00

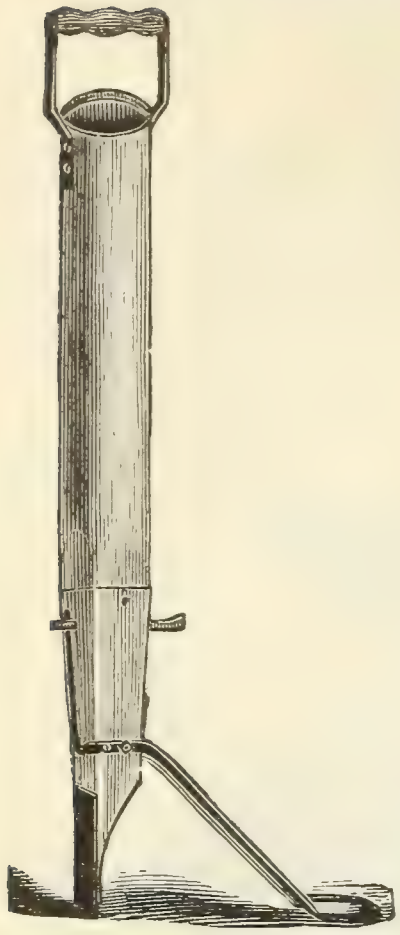


Prices on large Rollers on application.

Lawn Mower Repairing, and Extra Parts for Lawn Mowers.

We carry a full line of extra parts for the Philadelphia Lawn Mower, and also extra parts for many other of the popular makes. Lawn mowers of all kinds sharpened and repaired. We annually sharpen and repair several hundred mowers, To do this we employ skilled workmen. This together with other facilities in the way of improved machinery, enables us to *guarantee satisfaction in every particular. Prices reasonable. Work the very best.* You will oblige us and receive prompt attention by sending your machines in early.

MISCELLANEOUS IMPLEMENTS.



CAHOON'S PATENT BROADCAST SEED SOWER.

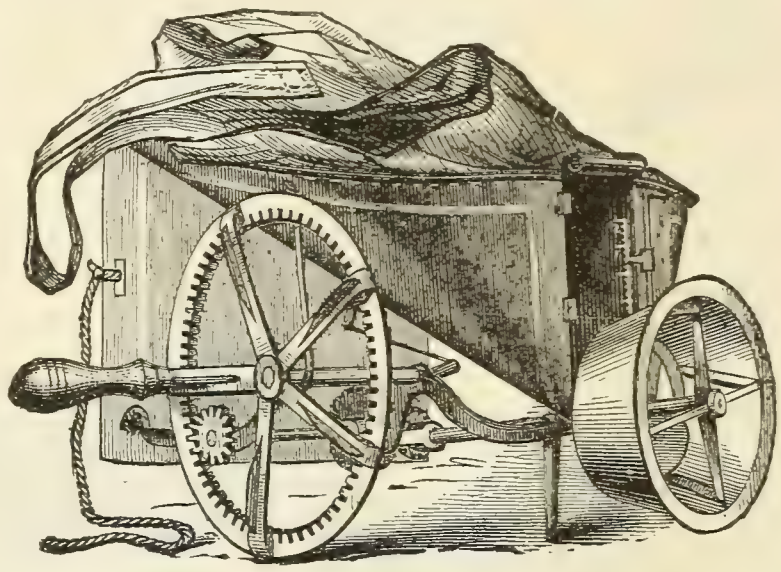
For Sowing Wheat, Oats, Hemp, Barley, Rye, Buckwheat, Grass Seed, Etc.

Sows from four to eight acres per hour. A saving of four-fifths of the labor and one-third of the seed used in hand-sowing is effected by this machine. *Every farmer should have one.*

Price, $4.00.

THE CHAUTAUQUA CORN AND SEED PLANTER.

Unequalled for simplicity, durability and efficiency. The Chautauqua Corn Planter is made of the best possible material, the tube being of galvanized iron, the step of wrought iron, and the blades of spring steel. Its superiority is at once conceded by every person who sees it. It is used like a cane, is automatic or self-acting in its operation, has an *extra tube* for pumpkin seeds, that they can be dropped with the corn. It will plant *any kind of garden seeds*, as it has this *extra tube*. **Price, $1.60.**



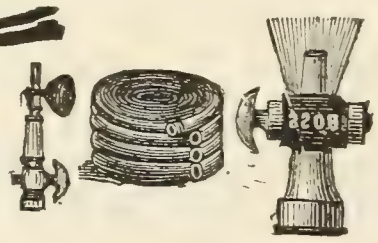
ASPARAGUS BUNCHER $5.00
BELLOWS. (**Powder Bellows.**) For applying insecticides, etc., to plants and shrubs in house, conservatory, garden, orchard and field; two sizes, $1.00, 1.25
DANDELION PULLER. (**English.**) ..... .40
DIBBERS. For transplanting plants ..... .50
FLORAL TOOLS. Set of 4 small ..... .50
Set of 4 large 1.00
FORKS. Hand Weeding. Malleable, 20c; steel .. .25
Manure, 4-tine, steel ..... .60
Hay, 2-tine, 30c; 3-tine ..... .40
GARDEN LINES. Strong braided lines, per 100 ft... .65
GARDEN LINE REELS. Each ..... .60
GRASS HOOKS. English riveted backs (the best), No. 0, 60c; No. 1, 70c; American ..... .40

GRASS HOOK.

SCUFFLE HOE.

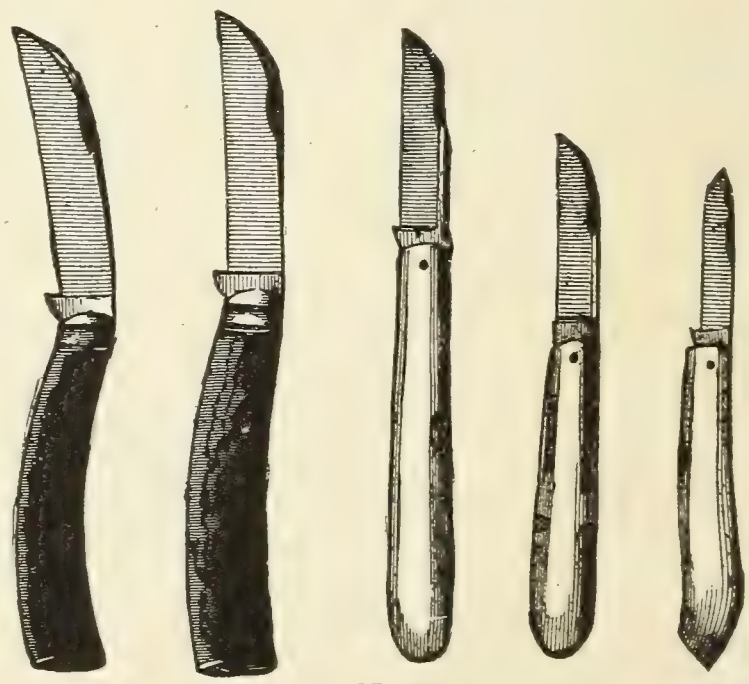
GRAFTING WAX. ¼ lb., 15c; ½ lb., 25c; lb ..... .50
HOES. Ladies' Cast Steel ..... .30
Cast Steel, 6 inch, 35c; 7 inch ..... .40
Draw, 8 inch ..... .40
Weeding, 4-prong; 35c; 6 prong ..... .45
Onion, 1 prong, 25c; 2-prong ..... .30
Welded Dutch Scuffle. (Handles 15c each, extra.) This hoe will outwear a dozen of the ordinary kind. 6-inch, 60c; 7-in., 65c; 8-in ..... .75
Scuffle, diamond shape ..... .30
Arlington, useful for onion growers (with handle). 1.50

ARLINGTON HOE.



HOSE, Rubber. *Best quality.* ¾-inch, 25 ft., $3.75; ¾-inch, 50 feet 7.00
HOSE COUPLING. ¾-inch, per set ..... .50
HOSE NOZZLES, Gem. Throws any kind of a stream from solid to the finest spray 1.00

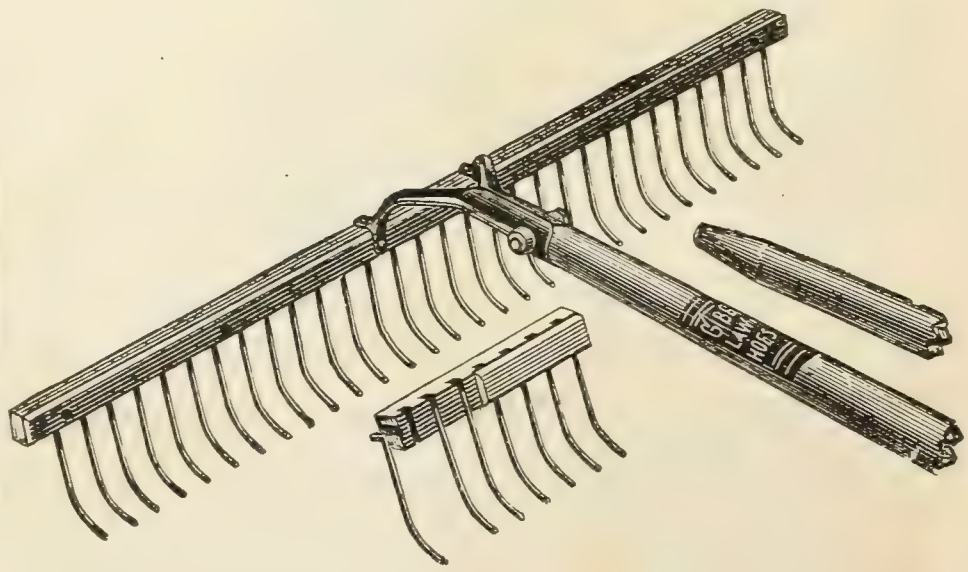
KNIVES, Pruning, of finest English manufacture. (Saynor & Cook.) Various sizes and shapes .75c. to 2.00
Budding. No. 343, $1.00; No. 207, $1.25; No. 204... 1.50
Asparagus. Imported, Saw tooth blade 1.00
Seed Potato, Humphrey's 30c; postpaid ..... .35



No. 204. No, 207. No. 343.

BUDDING AND PRUNING KNIVES.

LABELS,
Plain Wood 4-in., per 100, 15c; per 1000 .60
Pot Labels 6-in., per 100, 20c; per 1000 1.25
Painted Wood 4-in., per 100, 15c; per 1000 .75
Pot Labels 6-in., per 100, 25c; per 1000 1.50



GEM LAWN RAKE. (*See next page.*)

MISCELLANEOUS IMPLEMENTS.—Continued.

LAWN MOWERS. (See page 80.)
LAWN RAKE, Gibbs. (One of the very best)..... .75
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Gem ..... .60
Wooden, 24-tooth..... .40
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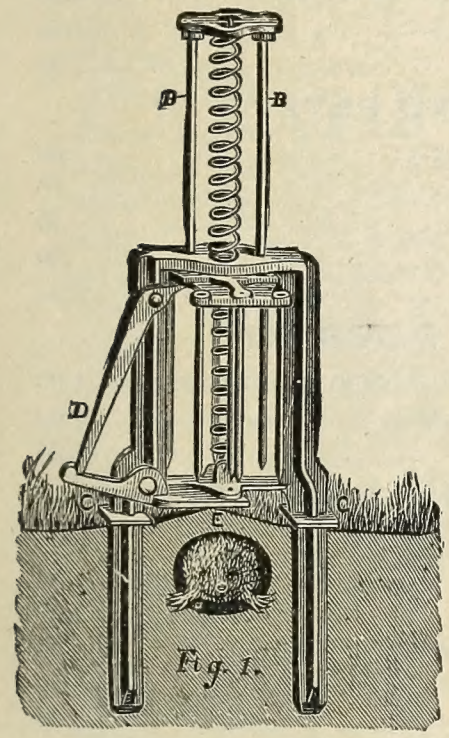
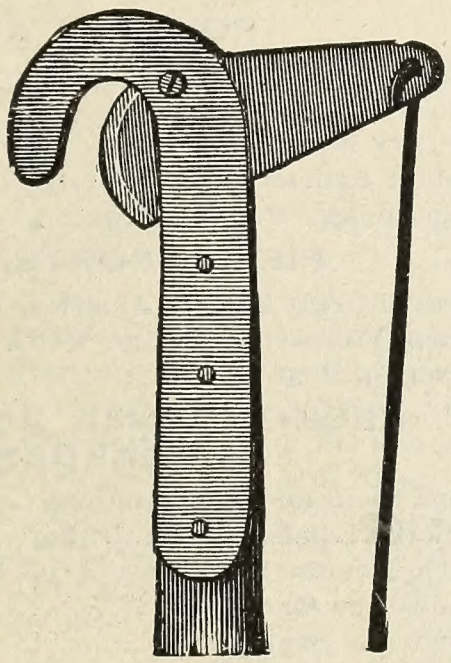


OLMSTED MOLE TRAP.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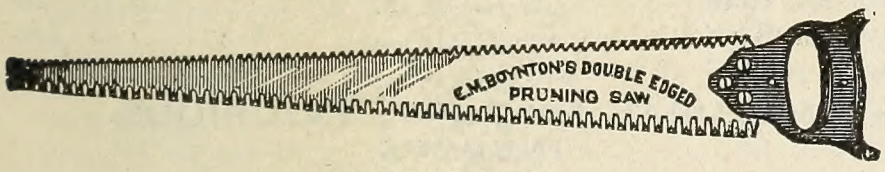
PRUNERS, Water's Tree. 4 ft., $1.25; 6 ft., $1.50; 8 ft., .75; 10 ft..... 2.00
Extra Blades each..... .25



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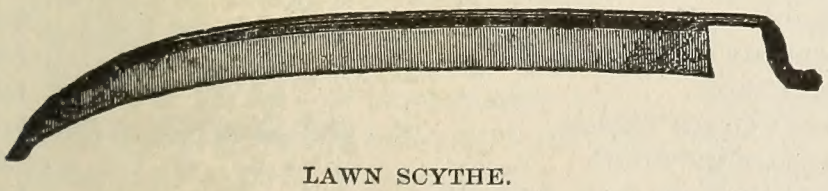
POTATO HOOKS. 4-tine, round, 40c; diamond back . .50
ROFFEA, splendid tying material. Per ℔., 30c; 10 ℔. 2.50
ROLLERS, Lawn (see page 80.)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Lawn (see page 79.)

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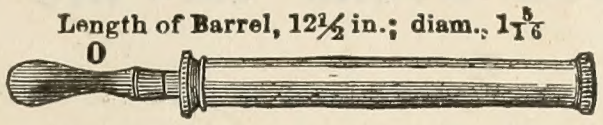
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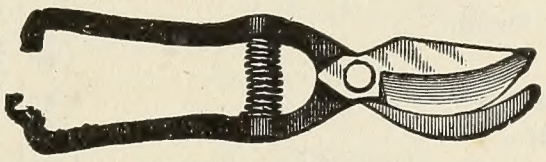
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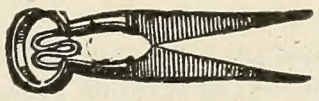
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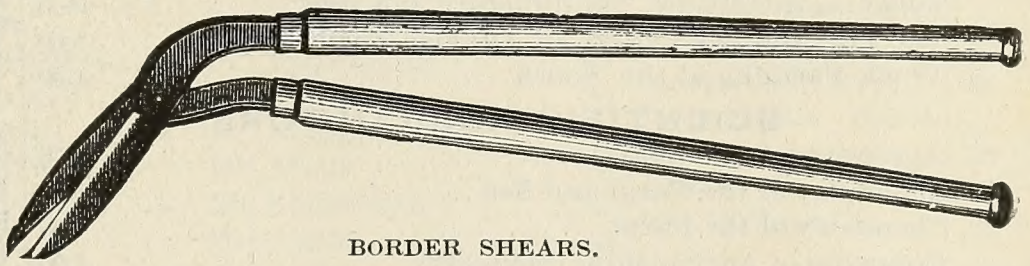
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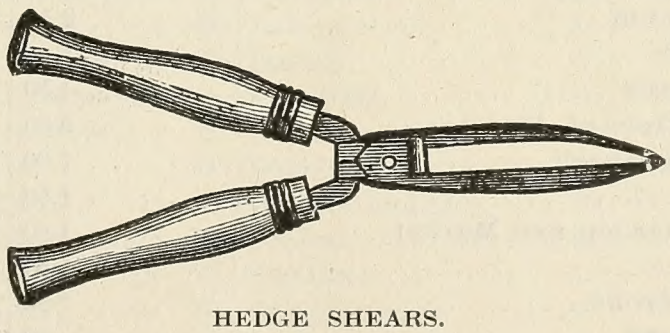
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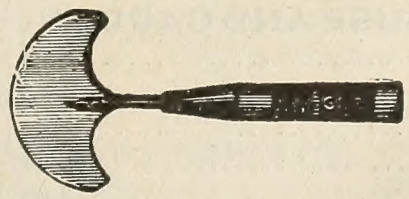
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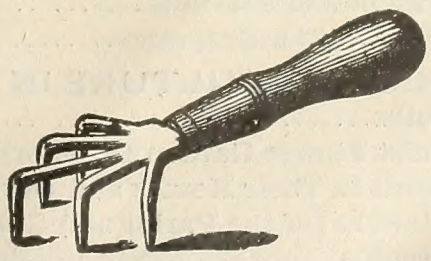
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